

2.6.1 :- All Program outcomes(PO)

Program No.	Program	Program outcomes	Subjects	Year
1	B.A.	1: Understand economics concepts and problems of economics, demand and supply	B.A - Economics	2019-20
		2 Knowledge of population demographic theory, poverty and unemployment and its	B.A - Economics	2019-20
		3 understanding price determinations under various market structures.	B.A - Economics	2019-20
		4: Understand factors of production determinants.	B.A - Economics	2019-20
		5 knowledge of national income accounting, inflation measures.	B.A - Economics	2019-20
		6 Understand present economic profile as an emerging economy.	B.A - Economics	2019-20
		7 knowledge of international financial intuitions functioning, its achievement and	B.A - Economics	2019-20
		8 Knowledge of theories of development and growth, macro economics policy its	B.A - Economics	2019-20
		1. Develop linguistic competence,	B.A.(English)	2019-20
		2 Knowledge of Various Genres of Literature	B.A.(English)	2019-20
		3. knowledge of Linguistics and Phonetics to enhance Communication Skills	B.A.(English)	2019-20
		4 Critical Analysis of literary Works	B.A.(English)	2019-20
		5.Develop writing skills in English	B.A.(English)	2019-20
		6. Knowledge of literary Theory and Criticism	B.A.(English)	2019-20
		1. Enable students to gain knowledge for Courses of Travel and Tourism, Surveyor, Geo-	B.A.(Geography)	2019-20
		2. Students can gain knowledge and get success in UPSC and MPSC competitive	B.A.(Geography)	2019-20
		3.Students are enabled to conduct socio-economic Survey with appropriate Methods	B.A.(Geography)	2019-20

		4. Students are able to read & explain Toposheets & IMD Weather Map.	B.A.(Geography)	2019-20
		5. Develop competence to find causes, study the consequences and giving suggestions for	B.A.(Geography)	2019-20
		6. Gain knowledge and guide about different tourist places with geographical, Historical,	B.A.(Geography)	2019-20
		8. Students can understand & explain the situation of Physio-Socio-Economic aspects	B.A.(Geography)	2019-20
		9. Student can understand the Natural & Manmade Resources and its importance for	B.A.(Geography)	2019-20
		10. Students can aware and Practice advanced and scientific agricultural methods	B.A.(Geography)	2019-20
		11. Understand the concept of trade, environment ,agriculture,population	B.A.(Geography)	2019-20
		12. Students can Understand and explain about the Origin and landforms on the earth.	B.A.(Geography)	2019-20
		1 Development of citizenship	B.A. (politics)	2019-20
		2.Constitutional awareness	B.A. (politics)	2019-20
		3. Develop ideological base	B.A. (politics)	2019-20
		4.Develop International perspective	B.A. (politics)	2019-20
		1 Awareness of linguistic skills	B.A (Marathi)	2019-20
		2. Develop Literary Skills	B.A (Marathi)	2019-20
		3. Use of Marathi in Practical life as a language of communication	B.A (Marathi)	2019-20
		4. Exposure to different genres of Marathi Literature	B.A (Marathi)	2019-20
		5. Develop Critical abilities to understand the subtleties of language	B.A (Marathi)	2019-20
		6. Understand the scope and use of Marathi in Media, Newspapers and other Arts	B.A (Marathi)	2019-20
2	B.Com	1:Understand banks and its fuctions.	B. Com. (Banking & Economics)	2019-20
		2: Awareness about new technology implementation in banking sector.	B. Com. (Banking & Economics)	2019-20

		3: Gain knowledge about financial markets its functions, SBI role and controls.	B. Com. (Banking & Economics)	2019-20
		4: students understand money and capital market, foreign exchange markets its	B. Com. (Banking & Economics)	2019-20
		5: Students get knowledge about financial investment intuition especially in India.	B. Com. (Banking & Economics)	2019-20
		6: Understand banking regulation Act provisions and new amendments.	B. Com. (Banking & Economics)	2019-20
		7: Students learn loan recovery methods of loan by bank.	B. Com. (Banking & Economics)	2019-20
		8: Student get an idea about current scenario of Indian banking system.	B. Com. (Banking & Economics)	2019-20
		9 : Student know the economic concepts, demand and supply variations, objectives of	B. Com. (Banking & Economics)	2019-20
		10: knowledge about cost and its effects on any firm, industry and trade.	B. Com. (Banking & Economics)	2019-20
		11: Student learn price determinations under various market structures.	B. Com. (Banking & Economics)	2019-20
		12: information on how factor of production determines	B. Com. (Banking & Economics)	2019-20
		13: Student understand national income accounting, inflation measures.	B. Com. (Banking & Economics)	2019-20
		14: Student get knowledge on today's profile as an emerging economy.	B. Com. (Banking & Economics)	2019-20
		15: Student understand today's foreign trade and balance payment scenario.	B. Com. (Banking & Economics)	2019-20
		16: Student understand international financial intuitions functioning, its	B. Com. (Banking & Economics)	2019-20
		1 : The Students are equipped with the knowledge of accountancy after	B.COM(commerce)	2019-20
		2:Competence of the knowledge of income tax and other such laws related	B.COM(commerce)	2019-20
		3: Knowledge of the market position and modern communication skills for success	B.COM(commerce)	2019-20
		4: Analysis by using mathematical and statistical tools, to undertake research in	B.COM(commerce)	2019-20
		5: Knowledge of various managerial aspects.	B.COM(commerce)	2019-20
		6: To enhance communicative skills	B.COM(commerce)	2019-20

		7: Development of business skills and entrepreneurship	B.COM(commerce)	2019-20
		8:Knowledge of banking rules regulation laws and practices.	B.COM(commerce)	2019-20
		9 : Understanding of the Theory and Practice of Economics and knowledge of	B.COM(commerce)	2019-20
		10- Achieve professional success through communication skills	B.COM(commerce)	2019-20
3	B.Sc. (Comp.)	1.Theoretical and Practical skills of Computer Science	B.C.S.	2019-20
		2. Ability to apply knowledge of computing and mathematics	B.C.S.	2019-20
		3. Competence to identify formulate and develop solutions to computational	B.C.S.	2019-20
		4. Ability to design implement and evaluate computational system to meet	B.C.S.	2019-20
		5. Ability to use appropriate technology skills and tools necessary for computing	B.C.S.	2019-20
		6.Application of knowledge of computing and statistics appropriately	B.C.S.	2019-20
4	B.C.A.	1.Impart knowledge required for planning, designing and building Complex	B.C.A.	2019-20
		2.Provide sound academic base from which an advanced career in Computer	B.C.A.	2019-20
		3.Develop practical skills to address problems in computer systems and	B.C.A.	2019-20
		4.Produce knowledgeable and skilled human resources which is employable in	B.C.A.	2019-20
		5.Develop practical skills to address problems in computer systems and	B.C.A.	2019-20
		6.Teaches professional competence in developing software and in its design and	B.C.A.	2019-20
		7.Provide basic statistical knowledge required for computer applications	B.C.A.	2019-20
		8.Provide sound academic base from which an advanced career in Computer	BBA[CA]	2019-20
		9.Conceptual grounding in computer usage as well as its practical business	BBA[CA]	2019-20
		10.Develop students to become globally competent.	BBA[CA]	2019-20

		11.Provides practical skills to address problems in computer systems and	BBA[CA]	2019-20
		12.Provide basic statistical knowledge required for computer applications	BBA[CA]	2019-20
5	B.Sc. (Micro)	1. The aim is to provide students with a solid foundation in the physiology, genetics	B.Sc.(Microbiology)	2019-20
		2. The programme has a strong practical emphasis, providing students with the basic	B.Sc.(Microbiology)	2019-20
		3. Deepens the student's understanding of how viruses and bacteria survive, multiply,	B.Sc.(Microbiology)	2019-20
		4.To provide the appropriate environment to encourage the development of the students	B.Sc.(Microbiology)	2019-20
		Develop advanced practical skills relevant to microbiology	B.Sc.(Microbiology)	2019-20
		6. An understanding of laboratory based investigations in microbiology applicable to	B.Sc.(Microbiology)	2019-20
		7. To increase the employability of students in various industries like food industry,	B.Sc.(Microbiology)	2019-20
		8. To increase the knowledge regarding morphological & anatomical structure of	B.Sc.(Microbiology)	2019-20
		9.To increase the knowledge of classification system of plants according to various	B.Sc.(Microbiology)	2019-20
		develop the practical skills relevant to botany	B.Sc.(Microbiology)	2019-20
6	M.Com.	1 :Knowledge of the advances in accountancy especially in the area of	M.COM(commerce)	2019-20
		2: To make the students acquainted with the various managerial concepts	M.COM(commerce)	2019-20
		3. Knowledge of the research methodology in order to conduct in depth study of the	M.COM(commerce)	2019-20
		4.Exposure to current problems in business environment.So cyber law study	M.COM(commerce)	2019-20
		5. application of the current knowledge related to income tax including excise	M.COM(commerce)	2019-20
		6. Knowledge of the capital market	M.COM(commerce)	2019-20
		7. Ability to verify the methods of raising the finance its adverse and favourable	M.COM(commerce)	2019-20

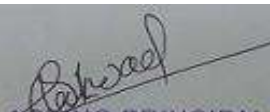
7	M.Sc. (Micro)	1. Provide students with sufficiently detailed information about the modern technologies used in diagnostics and research to enable them to apply these to complex problem solving in the investigation of disease	M.Sc.(Microbiolog y)	2019-20
		2. Develop advanced practical skills relevant to microbiology, Interpret quantitative and	M.Sc.(Microbiolog y)	2019-20
		3. To communicate ideas, principles and theories effectively by oral, written and	M.Sc.(Microbiolog y)	2019-20
		4. Apply basic statistical and numerical skills to microbiological data. Use Information	M.Sc.(Microbiolog y)	2019-20
		5. Work effectively and independently on a given project or task. Work effectively in	M.Sc.(Microbiolog y)	2019-20
		6. Students will acquire a number of transferable skills, including: design and	M.Sc.(Microbiolog y)	2019-20
		7. The final year aims to bring the student's understanding to the forefront of selected	M.Sc.(Microbiolog y)	2019-20
		8. Increase the confidence level of students and make them a socially responsible person	M.Sc.(Microbiolog y)	2019-20
		9. Get knowledge of fermentation process, design of bioreactor & its working	M.Sc.(Microbiolog y)	2019-20
		10. Get knowledge of species & species evolution	M.Sc.(Microbiolog y)	2019-20
		11. Study how to cultivate unculturable using various molecular methods & bioinformatics	M.Sc.(Microbiolog y)	2019-20
		12. Get knowledge of gene sequencing	M.Sc.(Microbiolog y)	2019-20
		13. Study various statistical methods under quantitative biology	M.Sc.(Microbiolog y)	2019-20
		14. Study cell organization & biochemistry	M.Sc.(Microbiolog y)	2019-20
		15. Get knowledge of instrumentation & molecular physics	M.Sc.(Microbiolog y)	2019-20
		16. Study microbial metabolism & bioenergetics	M.Sc.(Microbiolog y)	2019-20
		17. Get practical knowledge of enzymology & microbial metabolism	M.Sc.(Microbiolog y)	2019-20
		18. Get knowledge of pharmaceutical & medical microbiology	M.Sc.(Microbiolog y)	2019-20

		19. Get knowlege of molecular biology	M.Sc.(Microbiolog y)	2019-20
		20. Get knowlege of microbial technology	M.Sc.(Microbiolog y)	2019-20

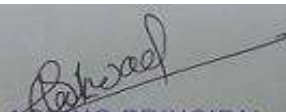

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2.6.1 :- Courses outcomes for All Courses

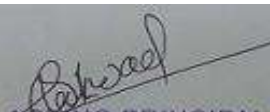
Id	Program	CourseCode	CourseName	Courses outcomes
1	B.Com	2237	Cost and Works Accounting	1.Students got the knowledge about basic Cost concepts.
2	B.Com	2237	Cost and Works Accounting	2.Students got the knowledge of Elements of cost.
3	B.Com	2237	Cost and Works Accounting	3. Students Understood the Ascertainment of Material and Labour Cost.
4	B.Com	3257	Cost and Works Accounting II	1. We have enculcated the knowledge of determination of cost and control of cost. This is the important factor as all sectors in the business i.e. service and industry have to work on costing
5	B.Com	3237	Cost and Works Accounting III	1.Students got the knowledge about the concepts and principle application of overheads.
6	B.Com	3237	Cost and Works Accounting III	2.Students can also Understood various methods of costing and their applications.
7	B.Com	1113	Compulsary English	1.Students got good pieces of prose and poetry so that they realize the beauty and communicative power of English.
8	B.Com	1113	Compulsary English	2.Students got an exposure to native, cultural experiences and situations so that they Understood the importance and utility of English language.
9	B.Com	1113	Compulsary English	3.Students got an overall linguistic competence and communicative skills.
10	B.Com	1113	Compulsary English	4.Students are developed in oral and written communicative skills, so that their employability enhances and English becomes the medium of their livelihood and personality.
11	B.Com	1123	Financial Accounting	1. Students gain the knowledge of various accounting concepts.
12	B.Com	1123	Financial Accounting	2. Students got the knowledge of accounting procedures, methods and techniques used in accounting.
13	B.Com	1123	Financial Accounting	3.Students learned basic accounting knowledge.
14	B.Com	1123	Financial Accounting	4.The students gain knowledge about the practical application of financial transactions in various types of organisation.
15	B.Com	1133	Business Economics (Micro)	1. Students Understood the behavior of the economy as a whole .
16	B.Com	1133	Business Economics (Micro)	2.The relationship among broad aggregates are understood by the students.
17	B.Com	1133	Business Economics (Micro)	3.students gain knowledg to apply economic reasoning to problems of the economy.
18	B.Com	1143	Business Mathematics and Statistics	1.Students Understood the concept and techniques of different types of index numbers.


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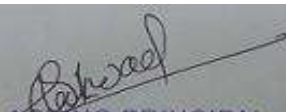
19	B.Com	1143	Business Mathematics and Statistics	2.Enabledd the students to solve LPP to maximize the profit and to minimize the cost.
20	B.Com	1143	Business Mathematics and Statistics	3. Students have understood the useful functions in business.
21	B.Com	1143	Business Mathematics and Statistics	4.Students are able to Understood the concept of population and sample.
22	B.Com	1143	Business Mathematics and Statistics	5.Students understand the use frequency distribution to Made decision.
23	B.Com	1143	Business Mathematics and Statistics	6.Students are able to calculate various types of averages and variation.
24	B.Com	1143	Business Mathematics and Statistics	7.Applications of matrices in business are learned by the students.
25	B.Com	1143	Business Mathematics and Statistics	8.Students are able to use the concept of EMI.
26	B.Com	1143	Business Mathematics and Statistics	9. Regression analysis to estimate the relationship between two variables is learned by the students.
27	B.Com	1313	Commercial Geography	1.Students Understood the scope and content of commercial g eography in relation to spatial distribution of agr iculture, forest resources and industrial production
28	B.Com	1313	Commercial Geography	2. Acquainted the students about dynamic aspects of commercial geography.
29	B.Com	1313	Commercial Geography	3.Knowledge about dynamic nature and industrial field
30	B.Com	1313	Commercial Geography	4. Awareness about the relationship between the geographical factors and economic activities
31	B.Com	1343	Banking and Finance	5.To acquaint the students with the fundamentals of banking.
32	B.Com	1343	Banking and Finance	6.Developed the capability of students for knowing banking concepts and operations.
33	B.Com	1343	Banking and Finance	7.Enlightened the students regarding the new concepts introduced in the banking system.
34	B.Com	1343	Banking and Finance	8.Gain a thorough knowledge of banking operations.
35	B.Com	1343	Banking and Finance	9.The students are made aware of banking business and practices.
36	B.Com	1233	Business Environment and Entrepreneurship	1. Created entrepreneurial awareness among students.
37	B.Com	1233	Business Environment and Entrepreneurship	2. Students are motivated to prepare their mind set for taking up entrepreneurship as career.
38	B.Com	1233	Business Environment and Entrepreneurship	3. Awareness about the Business Environment.
39	B.Com	1243	Insurance and Transport	1.Introduction to the concepts of Life & General Insurance, Transport, Travel and Tourism.
40	B.Com	1243	Insurance and Transport	2. Awareness about the careers in the field of Insurance, Transport & Tourism appropriate skills.
41	B.Com	1513	Additional English	1. Developed confidence to speak fluent English.
42	B.Com	1513	Additional English	2.Developed the ability among students to use English language.


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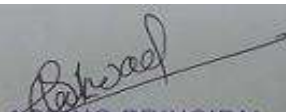
43	B.Com	1513	Additional English	3.Initiated students into the Joy of Reading literary texts.
44	B.Com	2117	Business Communication	1: Inculcated the knowledge of communication skills essential for success in service and industry sector both in the modern business world for successful business quick and effective communication has gathered much importance.
45	B.Com	2127	Corporate Accounting	2. Enabledd the students to develop awareness about Corporate Accounting in conformity with the provisions of Companies Act and Accounting as per Indian Accounting Standards.
46	B.Com	2127	Corporate Accounting	3.Awareness about the conceptual aspect of corporate accounting.
47	B.Com	2127	Corporate Accounting	4.Enabledd the students to develop awareness about Mergers and Acquisition.
48	B.Com	2137	Business Economics (Macro)	1. Exposure to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
49	B.Com	2137	Business Economics (Macro)	2. Stimulated the students interest by showing the relevance and use of various economic theories.
50	B.Com	2137	Business Economics (Macro)	3. Application of economic reasoning to problems of business .
51	B.Com	2147	Business Management	1.Provision of basic knowledge & Understanding about business management concept.
52	B.Com	2147	Business Management	2.Understood the various functions of management
53	B.Com	2257	Banking and Finance Paper I	1.Awareness among the students of Indian banking system.
54	B.Com	2257	Banking and Finance Paper I	2.Enabledd students to Understood the reforms and other developments in the Indian banking.
55	B.Com	2257	Banking and Finance Paper I	3. Provision of insight into the functions and role of Reserve Bank of India.
56	B.Com	3117	Business Regulatory Framework (M Law)	1. Acquaint with the basic concepts, terms & provisions of Mercantile and Business Laws.
57	B.Com	3117	Business Regulatory Framework (M Law)	2.Awareness among the students regarding these laws affecting business, trade and commerce.
58	B.Com	2157	Elements of Company Law	1.Imparted with the knowledge of fundamentals of Company Law.
59	B.Com	2157	Elements of Company Law	2. Updated the knowledge of provisions of the Companies Act of 2013.
60	B.Com	2157	Elements of Company Law	3.Apprisation of new concepts involving in company law regime.
61	B.Com	2157	Elements of Company Law	4. Acquainted with the duties and responsibilities of Key Managerial Personnel.
62	B.Com	2157	Elements of Company Law	5.The provisions and procedures under company law.
63	B.Com	3127	Advanced Accounting	1. Acquented the basic concepts, terms & provisions of Mercantile and Business Laws.


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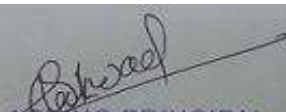
64	B.Com	3127	Advanced Accounting	2. Acquainted students with the basic concepts, terms & provision 2. To develop the awareness among the students regarding these laws affecting business, trade and commerce.
65	B.Com	3127	Advanced Accounting	3: Apply the knowledge of business relating to accountancy and other allied subjects useful for the service sector.
66	B.Com	3137	Indian and Global Economic Development	1. Exposed students to a new approach to the study of the Indian
67	B.Com	3137	Indian and Global Economic Development	2. the students analyzed the present phase of the Indian Economy.
68	B.Com	3137	Indian and Global Economic Development	3. Enabled students to Understand the process of integration of the Indian economy with various economies of the world.
69	B.Com	3137	Indian and Global Economic Development	4. Acquainted students with the emerging issues in business at the international level in the light of policies of liberalization and globalization.
70	B.Com	3157	Auditing and Taxation	1. Provided adequate knowledge to the students about the concept and principles of Auditing.
71	B.Com	3157	Auditing and Taxation	2. Provided knowledge of Audit programme, checking and vouching, Verification and Valuation.
72	B.Com	3157	Auditing and Taxation	3. Aware the students about how to prepare Audit Report & their Contents.
73	B.Com	3157	Auditing and Taxation	4. Provided knowledge about Auditing and Assurance Standards, Tax Audit, and Audit of computerized Systems.
74	B.Com	3157	Auditing and Taxation	5. Understood the basic concept and definition of Income Tax Act, 1961
75	B.Com	3157	Auditing and Taxation	6. Acquired knowledge about Computation of Income under different heads of Income of Income Tax Act, 1961
76	B.Com	3157	Auditing and Taxation	7. Acquired Knowledge about the submission of Income Tax Return, Advance Tax, Tax deducted at Source, Tax Collection Authorities.
77	B.Com	3157	Auditing and Taxation	8. Prepared students Competent enough to take up to employment in Tax planner.
78	B.Com	3255	Banking and Finance II	1. Understood the legal aspects of Banking transactions and its implications as Banker and Customer.
79	B.Com	3255	Banking and Finance II	2. Made the Students aware of the Banking Law and Practice in India
80	B.Com	3255	Banking and Finance II	1. Acquainted the students with Banking Law and Practice in relation to the Banking system in India
81	B.Com	3257	Banking and Finance III	1. Acquainted the students with Financial Markets and its various segments.
82	B.Com	3257	Banking and Finance III	2. Acquainted the students with Financial tools, the students and Understanding of the operations and developments in financial markets in India.


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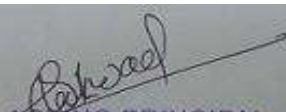
83	B.Com	3257	Banking and Finance III	3 .Gave the Knowledge to the students and understood the scope, to Enabled them to gain an insight into the functioning and role of financial institutions in the Indian Economy
84	B.Com	2777	A Course in Environmental Awareness	1: Incalculated the knowledge of enviorment related to busienss and making them aware of <u>favourable business environment.</u>
85+AA89 :E92	B.Com	111	Compulsory English	1. Offered to the students good pieces of prose and poetry so that they realize the beauty and <u>communicative power of English</u>
86	B.Com	111	Compulsory English	2. Exposed them to native cultural experiences and situations so that they Understood the importance and utility of English language
87	B.Com	111	Compulsory English	3. Developed overall linguistic competence and communicative skills among the students.
88	B.Com	111	Compulsory English	4. Developed oral and written communicative skills among the students so that their employability enhances and English becomes the medium of their livelihood and personality
89	B.Com	112	Financial Accounting	1. Imparted the knowledge of various accounting <u>concepts.</u>
90	B.Com	112	Financial Accounting	2. Installed the knowledge about accounting procedures, methods and techniques.
91	B.Com	112	Financial Accounting	3. Acquainted them with practical approach to accounts writing by using software package
92	B.Com	113	Business Economics	1. Eexposed Students of Commerce to basic micro economic concepts and inculcate an analytical <u>approach to the subject matter.</u>
93	B.Com	113	Business Economics	2. Stimulated the student interest by showing the relevance and use of various economic theories.
94	B.Com	113	Business Economics	3. Applied economic reasoning to problems of <u>business .</u>
95	B.Com	114-A	Mathematics And Statistics	1. Prepared for competitive examinations
96	B.Com	114-A	Mathematics And Statistics	2. Understood the concept of Simple interest, <u>compound interest and the concept of EMI.</u>
97	B.Com	114-A	Mathematics And Statistics	3. Understood the concept of shares and to <u>calculate Dividend.</u>
98	B.Com	114-A	Mathematics And Statistics	4. Understood the concept of population and <u>sample.</u>
99	B.Com	114-A	Mathematics And Statistics	5. Used frequency distribution to Made decision.
100	B.Com	114-A	Mathematics And Statistics	6. Understood and to calculate various types of <u>averages and variations.</u>
101	B.Com	114-A	Mathematics And Statistics	7. Understood the concept and application of <u>profit and loss in business.</u>
102	B.Com	114-A	Mathematics And Statistics	8. Solved LPP to maximize the profit and to <u>minimize the cost.</u>


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103	B.Com	114-A	Mathematics And Statistics	9. Used correlation and regression analysis to estimate the relationship between two variables.
104	B.Com	114-A	Mathematics And Statistics	10. Understood the concept and techniques of different types of index numbers.
105	B.Com	114-A	Mathematics And Statistics	1. Applied the statistical tools and making student aware of its applications.
106	B.Com	115	Banking and Finance	1. Acquainted the students with the fundamentals of banking.
107	B.Com	115	Banking and Finance	2. Developed the capability of students for knowing banking concepts and operations.
108	B.Com	115	Banking and Finance	3. Made the students aware of banking business and practices
109	B.Com	115	Banking and Finance	4. Gave thorough knowledge of banking operations.
110	B.Com	115	Banking and Finance	5. Enlightened the students regarding the new concepts introduced in the banking system.
111	B.Com	115	Commercial Geography	1. Understood the scope and content of Commercial Geography in relation to spatial distribution of agriculture, forest resources and industrial production.
112	B.Com	115 C	Commercial Geography	2. Acquainted the students about dynamic aspects of Commercial Geography.
113	B.Com	115 C	Commercial Geography	3. Acquainted the students about dynamic nature of Industrial field in India.
114	B.Com	115 C	Commercial Geography	4. Made the students of commerce aware about the relationship between the geographical factors and economic activities.
115	B.Com	116 B	Insurance And Transport	1. Acquainted students with the concept of Insurance and Transport.
116	B.Com	116 B	Insurance And Transport	2. Introduced the scope of Insurance including Life & General Insurance and Transport including Travel & Tourism.
117	B.Com	116 B	Insurance And Transport	3. Made the students aware of carrier opportunities in the field of Insurance & Transport and Impart appropriate skills.
118	B.Com	116 E	Business Environment And Entrepreneurship	4. Made the students aware about the Business Environment.
119	B.Com	116 E	Business Environment And Entrepreneurship	5. Created entrepreneurial awareness among students.
120	B.Com	116 E	Business Environment And Entrepreneurship	6. Motivated students to Made their mind set for taking up entrepreneurship as career.
121	B.Com	117 A	Additional English	1. Exposed students to a good blend of old and new literary extracts having various themes those are entertaining, enlightening and informative so that they realize the beauty and communicative power of English
122	B.Com	117 A	Additional English	2. Made students aware of the cultural values and the major problems in the world today
123	B.Com	117 A	Additional English	3. Developed literary sensibilities and communicative abilities among the students
124	B.Com	2113	Business Communication	1. Every student to update their knowledge about communication development in business.


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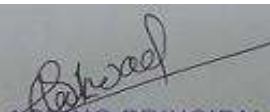
125	B.Com	2113	Business Communication	2. Every efforts has been made to avoid errors and omissions in communication skills.
126	B.Com	2113	Business Communication	3. Every student may be avoided mistake and errors in communication.
127	B.Com	2113	Business Communication	4. Every student made efforts has been made to provide the best communication skills.
128	B.Com	2123	Corporate Accounting	1. Enabled the students to develop awareness about Corporate Accounting in conformity with the provisions of Companies Act and Accounting as per Indian Accounting Standards.
129	B.Com	2123	Corporate Accounting	2. Made aware the students about the conceptual aspect of corporate accounting
130	B.Com	2123	Corporate Accounting	3. Enabled the students to develop skills for Computerized Accounting
131	B.Com	2123	Corporate Accounting	4. Enabled the students to develop skills about accounting standards
132	B.Com	2133	Business Economics (Macro)	1. The objective of the course is to familiarize the students the basic concept of Macro Economics and application.
133	B.Com	2133	Business Economics (Macro)	2. Study the behavior of the economy as a whole.
134	B.Com	2133	Business Economics (Macro)	3. Study the relationship among broad aggregates.
135	B.Com	2133	Business Economics (Macro)	4. apply economic reasoning to problems of the economy
136	B.Com	2133	Business Economics (Macro)	5. For Imparting the knowledge of economics to the commerce student to Understand the market position and related economical environment in the country and at global level.
137	B.Com	2143	Business Management	1: For made student aware of various streams in management, such as human resource management, Financial management and such other relevant managerial filed.
138	B.Com	2143	Business Management	2. Acquaint the students with the basic concepts, principles and functions of management.
139	B.Com	2143	Business Management	3. Made students aware about the recent trends in management.
140	B.Com	2223	Banking and Finance I	1. Provide students insight into the functions and role of Reserve Bank of India
141	B.Com	2223	Banking and Finance I	2. Create the awareness among the students of Indian banking system.
142	B.Com	2223	Banking and Finance I	3. Enabled students to Understand the reforms and other developments in the Indian Banking
143	B.Com	2253	Cost And Works Accounting I	1. Impart the knowledge of Cost concepts.
144	B.Com	2253	Cost And Works Accounting I	2. Impart the knowledge of Elements of cost
145	B.Com	2253	Cost And Works Accounting I	3. Impart the knowledge of Recording and Ascertaining Cost
146	B.Com	2253	Cost And Works Accounting I	4. Impart the knowledge of Calculation of Material and Labour Cost


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147	B.Com	2153	Elements Of Company Law	1. Impart the students with basic fundamentals of Company Law.
148	B.Com	2153	Elements Of Company Law	2. Impart the students provisions and procedure s under company law.
149	B.Com	2153	Elements Of Company Law	3. Guide the students about different terminolo gies in company law.
150	B.Com	2153	Elements Of Company Law	4. Acquaint the students the duties and respons ibilities of Corporate Management.
151	B.Com	2777	A Course in Environmental Awareness	1. Knowledge of environment
152	B.Com	2777	A Course in Environmental Awareness	2. Relation between biotic & abiotic factors
153	B.Com	2777	A Course in Environmental Awareness	3. Natural & man made environmental problems
154	B.Com	2777	A Course in Environmental Awareness	4. Human behavior towards environment
155	B.Com	2777	A Course in Environmental Awareness	5. How to protect environment
156	B.Com	3113	Business Regulatory Framework (M.Low)	1. For enculcating the knowledge of various business laws such as corporate law, business laws, taxation laws to upkeep the students knowledge in the relevant field.
157	B.Com	3113	Business Regulatory Framework (M.Low)	2. Acquaint students with the basic concepts, terms & provisions of Mercantile and Business Laws.
158	B.Com	3113	Business Regulatory Framework (M.Low)	3. Develop the awareness among the students regarding these laws affecting business, trade and commerce
159	B.Com	3123	Advanced Accounting	1. Impart the knowledge of various accounting concep ts
160	B.Com	3123	Advanced Accounting	2. Acquaint them with practical approach to account s writing by using software package.
161	B.Com	3123	Advanced Accounting	3. Instill the knowledge about accounting procedures, methods and techniques.
162	B.Com	3133	Indian and Global Economic Development	1. Acquaint students with the emerging issues in po lices of India's foreign trade
163	B.Com	3133	Indian and Global Economic Development	2. help the students in analyzing the present status of the Indian Economy.
164	B.Com	3133	Indian and Global Economic Development	3. Enabled students to Understood the process of integr ation of the Indian Economy with other economics of the world
165	B.Com	3133	Indian and Global Economic Development	4. Exposed students to a new approach to the study of the Indian Economy
166	B.Com	3153	Auditing and Taxation	1. Created awareness among the students about auditing procedure and relevant laws for making the business authentic records and practices.
167	B.Com	3153	Auditing and Taxation	2. Understood tax laibility of individual and various deductions and exemptions available to the assess.


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168	B.Com	3421	Banking and Finance II	1. Banking Services had gathered much importance in the current global scenario accordingly banking business has been in the area of teaching.
169	B.Com	3421	Banking and Finance II	2. Acquaint the students with Financial Markets and its various segments.
170	B.Com	3421	Banking and Finance II	3. Gave the students an Understanding of the operations and developments in financial markets in India.
171	B.Com	3421	Banking and Finance II	4. Enabled them to gain an insight into the functioning and role of financial institutions in the Indian Economy.
172	B.Com	3423	Banking And Finance III	1. acquaint the students with Banking Law and Practice in relation to the Banking system in India
173	B.Com	3423	Banking And Finance III	2. Understood the legal aspects of Banking transactions and its implications as Banker and Customer.
174	B.Com	3423	Banking And Finance III	3. Made the Students aware of the Banking Law and Practice in India
175	B.Com	3451	Cost and Works Accounting II	1. provide training about the concepts principles and application of Overheads and also Understanding various methods of costing and their applications.
176	B.Com	3453	Cost and Works Accounting III	1. Impart knowledge regarding costing techniques.
177	B.Com	3453	Cost and Works Accounting III	2. provide training as regards concepts, procedures and legal Provisions of cost audit.
178	B.A. (Economics)	2157	Modern Banking	1. Student learned the evolution of banking Europe, USA, and Asia and in India, structure of Indian banking.
179	B.A. (Economics)	2157	Modern Banking	2. Student learned the functions of commercial bank methods of remittance,
180	B.A. (Economics)	2157	Modern Banking	3. Student learned the procedure for opening and operating of any account, types of bank customers, type's bank account.
181	B.A. (Economics)	2157	Modern Banking	4. student learned the lending principles, credit creation and balance sheet of a bank, balance sheet continent.
182	B.A. (Economics)	2157	Modern Banking	5. Student learned the negotiable instruments.
183	B.A. (Economics)	2157	Modern Banking	6. Student learned the concept of endorsement its types, effects, new technology in banking.
184	B.A. (Economics)	2157	Modern Banking	7. Student learned RBI functions, money measures, monetary policy, Co- operative bank structure and its challenges.
185	B.A. (Economics)	2158	Micro Economics	1. Student learned the concept of micro economics, basic economic – problem, tools of analysis.
186	B.A. (Economics)	2158	Micro Economics	2. Student learned the demand analysis, price income and cross elasticity of demand.
187	B.A. (Economics)	2158	Micro Economics	3. Student learned indifference curve, Consumer equilibrium.


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188	B.A. (Economics)	2158	Micro Economics	4.student learned supply analysis, production functions theories i.e. law of variable proportion, law of return to scale, cost concepts.
189	B.A. (Economics)	2158	Micro Economics	5.Student learned revenue concepts, market structure, and price determinations.
190	B.A. (Economics)	2158	Micro Economics	6. students learned theories of rate of interest, rent, and marginal productivity theory of distribution, theories of profits.
191	B.A. (Economics)	2158	Micro Economics	7.Student learned concepts of welfare economics, social welfare function, thought of Dr. Amartya Sen on welfare economics.
192	B.A. (Economics)	2159	Macro Economics	1.Student learned the macro economics analysis,
193	B.A. (Economics)	2159	Macro Economics	2. Student learned concepts of national income, its measurements methods, limitations, circular flow of income etc.
194	B.A. (Economics)	2159	Macro Economics	3.Student learned consumption fuctions, investment multiplier, and principle of acceleration.
195	B.A. (Economics)	2159	Macro Economics	4. student learned the value of money, quantity theory of money, cash balance Approach, James Tobins Portfolio balance Approach etc.
196	B.A. (Economics)	2159	Macro Economics	5. Student learned the concept of inflation and deflation, its courses and effects, Philips Curve, trade cycle, its phases and measures etc.
197	B.A. (Economics)	2159	Macro Economics	6.Student learned the theories of output and employment.
198	B.A. (Economics)	2159	Macro Economics	7. Student learned Macro economy policy, fiscal policy its instruments and fuctions.
199	B.A. (Economics)	3157	Economic Development and Growth	1.Student learned the concept of growth and development, its indicators.
200	B.A. (Economics)	3157	Economic Development and Growth	2.Student learned concepts of developed, developing countries, its characteristics,
201	B.A. (Economics)	3157	Economic Development and Growth	3. Student learned constraints on development process i.e, poverty, population explosion low productivity of agriculture. Socio-culture, political etc.
202	B.A. (Economics)	3157	Economic Development and Growth	4.Student learned the value of money, quantity theory of money, cash balance Approach, James Tobins Portfolio balance Approach etc.
203	B.A. (Economics)	3157	Economic Development and Growth	5. Student learned theories of economics development, and approaches to economic development.
204	B.A. (Economics)	3157	Economic Development and Growth	6. Student learned role of foreign capital, foreign Aid.
205	B.A. (Economics)	3157	Economic Development and Growth	7.Student learned Macro economy policy, fiscal policy its instruments and fuctions, economics planning etc.
206	B.A. (Economics)	3158	International Economics	1. Student learned the international economics, inter-regional and internal trade.
207	B.A. (Economics)	3158	International Economics	2.Student learned theories of international trade.


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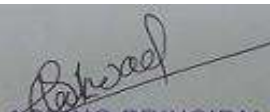
208	B.A. (Economics)	3158	International Economics	3. Student learned gains from trade and balance of payment concept.
209	B.A. (Economics)	3158	International Economics	4. Student learned get the free trade policy, protection policy and exchange rates.
210	B.A. (Economics)	3158	International Economics	5. Student learned growth of India foreign trade its composition and direction of foreign trade.
211	B.A. (Economics)	3158	International Economics	6. Student learned Export promotion- contribution of SEZ and convertibility of Indian rupee.
212	B.A. (Economics)	3158	International Economics	7. Student learned SAARC, BRICS, ECC etc. fuctions.
213	B.A. (Economics)	3159	Public Finance	1. Student learned public finance, principal of maximum social advantage principle, types of tax, public expenditure etc.
214	B.A. (Economics)	3159	Public Finance	2. Student learned public expenditure its classifications, trends, causes and effect.
215	B.A. (Economics)	3159	Public Finance	3. Student learned public revenue sources, principles of taxations, Indian tax structure.
216	B.A. (Economics)	3159	Public Finance	4. Student learned public debt sources, effects and its methods of repayment.
217	B.A. (Economics)	3159	Public Finance	5. Student learned budget its types, deficit financing.
218	B.A. (Economics)	3159	Public Finance	6. Student learned centre- state financial relationship.
219	B.A. (Economics)	3159	Public Finance	7. Student learned role and objectives of fiscal policy and its limitations.
220	B.A. (Economics)	11151	Indian Economics Envirnment	1. Student learned the basic characteristics of Indian economy, comparison of Indian economy with developed countries.
221	B.A. (Economics)	11151	Indian Economics Envirnment	2. Student learned theory of demographic transition, features of Indian of population, measures for population control, population policy onward.
222	B.A. (Economics)	11151	Indian Economics Envirnment	3. Student learned the concept of poverty unemployment ant its measures.
223	B.A. (Economics)	11151	Indian Economics Envirnment	4. Student learned the Role of agriculture, agriculture productivity, source of agriculture, suicide of farmer's causes, special economic Zone concepn.
224	B.A. (Economics)	11151	Indian Economics Envirnment	5. Student learned classification of labour, industrial dispute causes, measures for settlement.
225	B.A. (Economics)	11151	Indian Economics Envirnment	6. Student learned role of industrial, industrial policy, new economic reforms concept, IT, software consultancy.
226	B.A. (Economics)	11151	Indian Economics Envirnment	7. Student learned the concept of planning types, objectives and 12th five year Plan and salient features of economy of Maharashtra, water management concept.
227	B.A. (Economics)	2999	A Course in Environmental Awareness	1. Knowledge of Environment
228	B.A. (Economics)	2999	A Course in Environmental Awareness	2. Relation between biotic & abiotic factors


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229	B.A. (Economics)	2999	A Course in Environmental Awareness	3.Natural & man made environmental problems
230	B.A. (Economics)	2999	A Course in Environmental Awareness	4. Human behavior towards environment
231	B.A. (Economics)	2999	A Course in Environmental Awareness	5. How to protect environment
232	B.Com. (Eco. & Banking)	1133	Business Economics (Micro)	1. Student learned the concept of Business economics, goals of the firm and tools of analysis.
233	B.Com. (Eco. & Banking)	1133	Business Economics (Micro)	2. Student learned the demand analysis, price income and cross elasticity of demand.
234	B.Com. (Eco. & Banking)	1133	Business Economics (Micro)	3. Student learned indifference curve, Consumer equilibrium.
235	B.Com. (Eco. & Banking)	1133	Business Economics (Micro)	4. student learned demand estimation methods and demand forecasting, production functions theories i.e. law of variable proportion, law of return to scale, internal and external economies.
236	B.Com. (Eco. & Banking)	1133	Business Economics (Micro)	5. Student learned revenue concepts, market structure, and price determinations.
237	B.Com. (Eco. & Banking)	1133	Business Economics (Micro)	6. Student learned theories of rate of interest, rent, and marginal productivity theory of distribution.
238	B.Com. (Eco. & Banking)	1133	Business Economics (Micro)	7. Student learned concepts of profit and theories of profits.
239	B.Com. (Eco. & Banking)	1343	Banking & Finance	1.Student learned the evolution of banking Europe, USA, and Asia and in India, structure of Indian banking.
240	B.Com. (Eco. & Banking)	1343	Banking & Finance	2. Student learned the functions of commercial bank methods of remittance,
241	B.Com. (Eco. & Banking)	1343	Banking & Finance	3.Student learned the procedure for opening and operating of any account, types of bank customers.
242	B.Com. (Eco. & Banking)	1343	Banking & Finance	4.student learned the lending principles, credit creation and balance sheet of a bank, balance sheet continent.
243	B.Com. (Eco. & Banking)	1343	Banking & Finance	5.Student learned the negotiable instruments.
244	B.Com. (Eco. & Banking)	1343	Banking & Finance	6.Student learned the concept of endorsement its types, effects.
245	B.Com. (Eco. & Banking)	1343	Banking & Finance	7. Student learned new technology in banking.
246	B.Com. (Eco. & Banking)	2133	Business Economics (Macro)	1.Student learned concepts of national income, its measurements methods, limitations, circular flow of income etc.
247	B.Com. (Eco. & Banking)	2133	Business Economics (Macro)	2.Student learned the credit creation process and its limitations, RBI credit control methods etc.
248	B.Com. (Eco. & Banking)	2133	Business Economics (Macro)	3. student learned the value of money, quantity theory of money, cash balance Approach, James Tobins Portfolio balance Approach etc.


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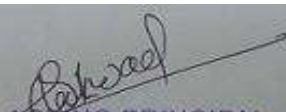
249	B.Com. (Eco. & Banking)	2133	Business Economics (Macro)	4. Student learned the concept of inflation and deflation, its causes and effects, Philips Curve, trade cycle, its phases and measures etc..
250	B.Com. (Eco. & Banking)	2133	Business Economics (Macro)	5. Student learned the theories of output and employment.
251	B.Com. (Eco. & Banking)	2133	Business Economics (Macro)	6. Student learned public finance, principal of maximum social advantage principle, types of tax, public expenditure etc.
252	B.Com. (Eco. & Banking)	2133	Business Economics (Macro)	7. Student learned aggregative factors.
253	B.Com. (Eco. & Banking)	2223	Banking & Finance I	1. Student learned the structure and Role of Indian banking system.
254	B.Com. (Eco. & Banking)	2223	Banking & Finance I	2. Student learned Private sector banks in India and foreign banks in India.
255	B.Com. (Eco. & Banking)	2223	Banking & Finance I	3. Student learned the Concept of nationalization, arguments for and against nationalization.
256	B.Com. (Eco. & Banking)	2223	Banking & Finance I	4. student learned the SBI evolution, role, functions, and subsidiary banks to State bank of India.
257	B.Com. (Eco. & Banking)	2223	Banking & Finance I	5. Student learned the functions, objectives and performance of NABARD. And co- operative Credit System
258	B.Com. (Eco. & Banking)	2223	Banking & Finance I	6. Student learned the Banking Sector Reforms.
259	B.Com. (Eco. & Banking)	2223	Banking & Finance I	7. Student learned the functions of RBI and changing role of RBI.
260	B.Com. (Eco. & Banking)	3133	Indian And Global Economic Development	1. Student learned. role of agriculture and its constraints in agriculture development.
261	B.Com. (Eco. & Banking)	3133	Indian And Global Economic Development	2. Student learned agriculture marketing problems, causes of rural indebtedness.
262	B.Com. (Eco. & Banking)	3133	Indian And Global Economic Development	3. Student learned the concept of industrialization, role of small. And large scale industries,
263	B.Com. (Eco. & Banking)	3133	Indian And Global Economic Development	4. Student learned the HDI. Concept of LPG, role of foreign capital and trade.
264	B.Com. (Eco. & Banking)	3133	Indian And Global Economic Development	5. Student learned the rupee convertibly.
265	B.Com. (Eco. & Banking)	3133	Indian And Global Economic Development	6. Student learned the international financial institutions i.e. IMF. World.
266	B.Com. (Eco. & Banking)	3133	Indian And Global Economic Development	7. Student learned the basic characteristics of Indian economy as an emerging economy, comparison of Indian economy with developed countries
267	B.Com. (Eco. & Banking)	3421	Banking & Finance II	1. Student learned the role of financial market, its structure, indicator and role.
268	B.Com. (Eco. & Banking)	3421	Banking & Finance II	2. Student learned money market.
269	B.Com. (Eco. & Banking)	3421	Banking & Finance II	3. Student learned capital market
270	B.Com. (Eco. & Banking)	3421	Banking & Finance II	4. student learned foreign exchange market,
271	B.Com. (Eco. & Banking)	3421	Banking & Finance II	5. Student learned distinguished between banking and non- banking financial institutions.


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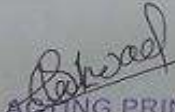
272	B.Com. (Eco. & Banking)	3421	Banking & Finance II	6. Student will functions of LIC and GIC.
273	B.Com. (Eco. & Banking)	3421	Banking & Finance II	7. Student learned the functions of Mudra bank.
274	B.Com. (Eco. & Banking)	3423	Banking & Finance III	1. Student learned provision relating to Banking regulation Act 1949.
275	B.Com. (Eco. & Banking)	3423	Banking & Finance III	2. Student learned Negotiable instruments Act.1881
276	B.Com. (Eco. & Banking)	3423	Banking & Finance III	3. Student learned paying bank rights and duties.
277	B.Com. (Eco. & Banking)	3423	Banking & Finance III	4. student learned collecting banking rights and duties.
278	B.Com. (Eco. & Banking)	3423	Banking & Finance III	5. Student learned Modes of creating charges.
279	B.Com. (Eco. & Banking)	3423	Banking & Finance III	6. Student learned types of pledge and mortgages.
280	B.Com. (Eco. & Banking)	3423	Banking & Finance III	7. Student learned the recovery of loan and project appraisal aspects.
281	M.Com	101	Management Accounting	1. The objective of the course is to Enable students to acquire sound Knowledge of concepts, methods and techniques of management accounting.
282	M.Com	101	Management Accounting	2. Made the students develop competence with their usage in managerial decision making and control
283	M.Com	103	Advanced Accounting I	1. Lay a theoretical foundation of Accounting and Accounting Standards.
284	M.Com	103	Advanced Accounting I	2. Gain ability to solve problems relating to Company Accounts, Valuations and special types of situations.
285	M.Com	103	Advanced Accounting I	3. Made the students acquainted with the procedure, Practice and Regulation of Accountancy
286	M.Com	104	Income Tax II	1. Gain knowledge of the provisions of Income - tax including Rules pertaining there to, relating to the following topics.
287	M.Com	104	Income Tax II	2. Developed ability to calculate taxable Income of 'Individual', 'Hindu Undivided Family' and 'Firm' assesses.
288	M.Com	201	Financial Analysis and Control	1. The objective of the course is to Enable students to acquire sound knowledge of concepts, methods and techniques of management accounting
289	M.Com	201	Financial Analysis and Control	2. Made the students develop competence with their usage in managerial decision making and control.
290	M.Com	202	Industrial Economics	1. Studied the basic concepts of Industrial Economics .
291	M.Com	202	Industrial Economics	2. Studied the significance and problems of Industrialization.
292	M.Com	202	Industrial Economics	3. Studied the impact of Industrialization on Indian Economy.
293	M.Com	203	Specialized Areas In Accounting III	1. Developed competency of students to solve problems relating Special areas in accounting including accounting for Services Sector.


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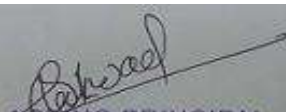
294	M.Com	203	Specialized Areas In Accounting III	2. Understood of Financial Reporting Practices.
295	M.Com	203	Specialized Areas In Accounting III	3 students are familiarized with procedure of accounting for Taxation.
296	M.Com	204	Business Tax assesment and Planning IV	1. Provided Understanding of Direct Taxes including Rules pertaining there to and their application to different business situations.
297	M.Com	204	Business Tax assesment and Planning IV	2. students are understood principles underlying the Service Tax .
298	M.Com	204	Business Tax assesment and Planning IV	3. Understood basic concepts of VAT, Excise Duty and Customs Duty
299	M.Com	301	Business Finance	1. students acquired sound knowledge of concepts, nature and structure of business finance.
300	M.Com	302	Research Methodology for Business	1. the students are acquainted with the areas of Business Research Activities.
301	M.Com	302	Research Methodology for Business	2. Enhanced capabilities of students to conduct the research in the field of business and social sciences.
302	M.Com	302	Research Methodology for Business	3. Enabled students, in developing the most appropriate methodology for their research studies.
303	M.Com	302	Research Methodology for Business	4. Made them familiar with the art of using different research methods and techniques.
304	M.Com	303	Advanced Auditing V	1. Imparted knowledge and develop Understanding of methods of auditing and their application.
305	M.Com	304	Specialized Areas In Auditing VI	1. Imparted knowledge and develop Understanding of methods of audit in Specialized areas.
306	M.Com	401	Capital Market and Financial services	1. Enabled students to acquire sound knowledge, concept and structure of capital market and financial services.
307	M.Com	402	Industrial Economics Environment	1. Studied the basic concepts of Industrial Finance
308	M.Com	402	Industrial Economics Environment	2. Studied the effects of New Economic Policy.
309	M.Com	402	Industrial Economics Environment	3. Studied the impact of Labor reforms on Industries.
310	M.Com	403	Recent Advances In Accounting, Taxation and Auditing VII	1. Up-dated the students with latest developments in the Subject
311	M.Com	403	Recent Advances In Accounting, Taxation and Auditing VII	2. Inculcated the habit of referring to various periodicals and publications in the given subject, apart from text books and reference books
312	M.Com	403	Recent Advances In Accounting, Taxation and Auditing VII	3. Developed the ability to read, Understood, interpret and summarize various articles from newspapers, journals
313	M.Com	1082	Strategic Management	1: Students are understood Strategic management in framing the policies and administration in adverse condition of the business.


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314	M.Com	1181	Advanced accounting	1. Students acquainted with the procedure, Practice and Regulation of Accountancy
315	M.Com	2182	Business Tax assessment and planning	1:Taxation procedure policies and regulations are important aspect in business which is core value of the subject.
316	M.Com	3081	Business Finance	1: The Students are known about financial aspects of the business.
317	M.Com	3082	Industrial Economics	1: The Economical aspects related to industries are inculcated for the post graduate student in the curriculum.
318	M.Com	3181	Advanced Auditing	1: the students are known about the auditing procedure and related laws.
319	M.Com	4081	Capital Market and Financial Services	1. Student acquainted with the capital market so that they can enunciate the knowledge of raising the capital.
320	M.Com	4182	Project Work	1: The Students are developed analytical mind in the subject
321	B.A.(Geography)	110 B	Human Geomorphology	1. the students are introduced to the basic concepts in Geomorphology.
322	B.A.(Geography)	110 B	Human Geomorphology	2. introduced latest concept in Geomorphology
323	B.A.(Geography)	110 B	Human Geomorphology	3.acquainted the students with the utility and application of Geomorphology in different regions and environment.
324	B.A.(Geography)	110 B	Human Geomorphology	4. Made the students aware of the need of protection and conservation of different landforms
325	B.A.(Geography)	110 A	Physical Geography	1. introduced the students to the basic concepts in Physical Geography.
326	B.A.(Geography)	110 A	Physical Geography	2.the students acquainted with the utility and application of Physical Geography in different areas and environment.
327	B.A.(Geography)	110 4	Physical Geography	3. Made the students aware of the need of protection and conservation of different landforms.
328	B.A.(Geography)	2204	Geography of Natural Hazards	1.Introduced the students to the basic concepts in Environmental Hazards.
329	B.A.(Geography)	2204	Geography of Natural Hazards	2. The students acquainted with the utility and application of Environmental Hazards in different areas and its management.
330	B.A.(Geography)	2204	Geography of Natural Hazards	3. Made the students aware of the need of protection and disaster management.
331	B.A.(Geography)	2205	India A Geographical Analysis	1.Acquaint the students with Geography of our nation.
332	B.A.(Geography)	2205	India A Geographical Analysis	2.Made the students aware of the magnitude of problems and prospectus at national level.
333	B.A.(Geography)	2205	India A Geographical Analysis	3.Helped the students to Understand the interrelationship between the subject and the society.
334	B.A.(Geography)	2205	India A Geographical Analysis	4.Helped the students to Understand the recent trends in regional studies
335	B.A.(Geography)	2206	Fundamentals of Geographical Analysis	1.Enabled the students to use various Projections and Cartographic Techniques
336	B.A.(Geography)	2206	Fundamentals of Geographical Analysis	2.The students acquainted with basic of Statistical data.


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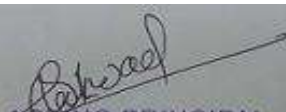
337	B.A.(Geography)	2206	Fundamentals of Geographical Analysis	3.Students acquainted with the principles of surveying, its importance and utility in the geographical study.
338	B.A.(Geography)	3205	Geography of Travel & Tourism	1.Student's are acquainted basic concepts of Geography & Tourism.
339	B.A.(Geography)	3205	Geography of Travel & Tourism	2.Awareness is created among the students with the utility and application of Tourism .
340	B.A.(Geography)	3205	Geography of Travel & Tourism	3.Helped the students & society to Understood the interrelationship between tourism and employment generation opportunities.
341	B.A.(Geography)	3205	Geography of Travel & Tourism	4.Understood the impact of tourism on Physical and Human Environments.
342	B.A.(Geography)	3206	Contemporary Issues & Geography	1.Introduced students with contemporary issues and its relation with Geography.
343	B.A.(Geography)	3206	Contemporary Issues & Geography	2.Created awareness and develop attitudes and values among the students about a range of geographical issues concern to people at different times and places.
344	B.A.(Geography)	3206	Contemporary Issues & Geography	3.Enabled students to apply previously acquired knowledge and skills to suggest possible solutions and participate in problem-solving.
345	B.A.(Geography)	3204	Techniques of Spatial Analysis	1.Introduced the students with SOI toposheets and to acquire the knowledge of toposheet reading/interpretation.
346	B.A.(Geography)	3204	Techniques of Spatial Analysis	2.Students are made familiarized with the weather instruments and their applications in geographical phenomena.
347	B.A.(Geography)	3204	Techniques of Spatial Analysis	3.The students acquainted with IMD weather maps and to gain the knowledge of weather map reading/interpretation.
348	B.A.(Geography)	3204	Techniques of Spatial Analysis	4. The students are trained in elementary statistics as an essential part of geography.
349	B.A.(Geography)	2208	Geography of Disaster Management	1.Introduced students the concept of disaster & its relation with Geography
350	B.A.(Geography)	2208	Geography of Disaster Management	2.The students are acquainted with the utility & application of hazards in different areas & its management.
351	B.A.(Geography)	2208	Geography of Disaster Management	3.Made the students aware of the need of protection & disaster management.
352	B.A.(Geography)	2209	Tourism Geography	1. Acquainted the student's basic concepts of Geography & Tourism.
353	B.A.(Geography)	2209	Tourism Geography	2.Aware the students with the utility and application of Tourism .
354	B.A.(Geography)	2209	Tourism Geography	3.Helped students & society to understood the interrelationship between tourism and employment generation opportunities.
355	B.A.(Geography)	2209	Tourism Geography	4. Understood the impact of tourism on Physical and Human Environments
356	B.A.(Geography)	2207	Fundamentals of Geographical Analysis	1.Enabled the students to use various projects and Cartographic Techniques
357	B.A.(Geography)	2207	Fundamentals of Geographical Analysis	2. Acquainted students with basic of Statistical data and diagrams


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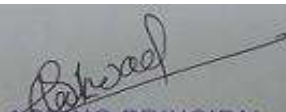
358	B.A.(Geography)	2207	Fundamentals of Geographical Analysis	3. Acquainted students with principles of surveying, its importance and utility in the geographical study
359	B.A.(Geography)	3208	Regional Geography of India	1.Acquainted the students with geography of our Nation.
360	B.A.(Geography)	3208	Regional Geography of India	2. Made the student aware of the magnitude of problems and Prospects at National level.
361	B.A.(Geography)	3208	Regional Geography of India	3. Helped the students to Understand the inter relationship between the subject and the society.
362	B.A.(Geography)	3208	Regional Geography of India	4. Helped the students to Understand the recent trends in regional studies.
363	B.A.(Geography)	3209	Agricultural Geography	1. Introduced students Agricultural activities and its relation with Geography.
364	B.A.(Geography)	3209	Agricultural Geography	2. Familiarized the students with new modern technical methods and their applications in Agricultural activities.
365	B.A.(Geography)	3209	Agricultural Geography	3. Enabled students to apply Previously knowledge in Problems and Prospects in agriculture
366	B.A.(Geography)	3207	Techniques of Spatial Analysis	1. Introduced the Students with SOI Toposheets and to acquire the Knowledge of Toposheet Reading/Interpretation.
367	B.A.(Geography)	3207	Techniques of Spatial Analysis	2. Familiarized the students with the weather instruments and their applications in Geographical phenomena.
368	B.A.(Geography)	3207	Techniques of Spatial Analysis	3. Acquainted the students with IMD weather maps and to gain the knowledge of weather map Reading / interpretation.
369	B.A.(Geography)	3207	Techniques of Spatial Analysis	4. Trained students in elementary statistics as an essential part of geography.
370	B.A.(Geography)	3207	Techniques of Spatial Analysis	5. Awareness about GIS among the students.
371	B.Sc (microbiology)	71310	physical & inorganic chemistry	1. Students have firm foundation in the fundamentals & applications of current chemicals & scientific theories. 2. Balance chemical equations, identify types of chemical reactions. 3. Understood stoichiometric relationship involved in reactions. 4. Understood redox reaction & their applications. 5.Students understood theories of chemical bonding & determining the molecular geometries of different molecules using VSEPR theory.
372	B.Sc (microbiology)	71320	organic & inorganic chemistry	1.Student understood the fundamental concepts ,which govern the structure,bonding ,properties and reactivities of organic molecules. 2.Name the organic compounds for monofunctional group. 3.To know the s and p block elements and their properties
373	B.Sc (microbiology)	71330	chemistry practical	1. Students were able to design ,carry out,record and analyse the results of chemical experiments. 2. Operate instrument such as melting point apparatus. 3. To know the proper procedure and regulation for safe handling when using chemicals.


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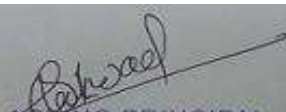
374	B.Sc (microbiology)	71420	industrial botany	1.Ecological and economics importance of plants. 2.Medicinal plants property which are use in industry. 3.conservaion of plants. 4.Different medicinal plant products and drugs use for human being
375	B.Sc (microbiology)	71510	animal systematics & diversity I & II	1. This course presents zoology as scientific discipline. Students learned basic principles of zoological nomenclature, taxonomy, systematics and basic relationship with animals. this course will helps students to distinguish the animals into number of phylums which they seen in daily life.
376	B.Sc (microbiology)	71520	fundamentals of cell biology & genetics	1. Upon completion of this course, the student will demonstrate basic knowledge in the following: a. Basic chemical composition of living matter. b. Structural characteristics of prokaryotic and eukaryotic cells. c. characteristics of the major cell organells. d. Mechanics of membrane transport.
377	B.Sc (microbiology)	71530	zoology practical	1. On completion of this course students will able to Understood and identifiy different phylums and will also Understood about Paramoecium,frog,earthworm external characters and their systems and will also Understood the genetic traits in humans and ABO blood groups in humans
378	B.Sc (microbiology)	71910	introduction to microbiology	1. Know history of Microbiology 2. Studied contributions of different scientists and their discoveries in the field of Microbiology.3. Studied morphology and differentiating characteristics of microorganisms. 4 Studied cytology and biochemistry of bacterial cell
379	B.Sc (microbiology)	71920	basic techniques in microbiology	1. Understood the basic techniques in microbiology 2- Know the cultivation procedure of different microorganism, 3- Got the knowledge of different types, parts and uses of microscope, 4- Understood the different staining techniques..
380	B.Sc (microbiology)	71930	microbiology practical	1. Learned aseptic transfer techniques. 2. Learned different methods of isolation and cultivation of bacteria. 3. Learned staining procedures. 4. Learned media preparation and cultivation of microorganisms in laboratory.
381	B.Sc (microbiology)	83011	english	1: Focused on grammar and communication skills.
382	B.Sc (microbiology)	83011	english	2: Helped the students to build their vocabulary and improve their use of English language.
383	B.Sc (microbiology)	83011	english	3:Develoed interviews skills.


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384	B.Sc (microbiology)	83011	english	4: Helped students develop their linguistic competence.
385	B.Sc (microbiology)	81311	physical and analytical chemistry	1 Students will be skilled in problem solving, critical thinking & analytical reasoning as applied to scientific problems. 2 Use dimensional analysis with proper attention to units & scientific figures.
386	B.Sc (microbiology)	81321	organic & inorganic chemistry	1 Student should be able to identify chiral centre of given organic compounds. 2. Determined R and S configurations. 3. Know the general principles of metallurgy. 4. Different reactions in the blast furnace. 5. Know different methods for preparation of steel.
387	B.Sc (microbiology)	81511	animal systematics & diversity III	1. Systematics provides identification keys, scientific names and evolutionary history of the animals which helps students to observe and study the animals which they see in daily life. This course will play a very important role in conservation of number of endangered, threatened species.
388	B.Sc (microbiology)	81911	bacterial systematics & physiology	1 Got the knowledge of bacterial systematics 2. Got the knowledge of bacterial physiology 3. Got the knowledge of biocatalysts.
389	B.Sc (microbiology)	81921	industrial & soil microbiology	1 Study of design and application of fermenter. 2 Understood Down stream processing. 3 Study of soil microflora and their interaction.
390	B.Sc (microbiology)	81411	taxonomy of angiosperms & plant community	1. The student will demonstrate knowledge of plant taxa starting with bryophytes and finishing with angiosperms including their morphology and physiology. 2. Demonstrate knowledge of the structure and function of leaves, stems, and root systems in higher plants including a comparison between monocots and dicots. 3 Structure, and types of flowers and fruits, including a comparison between monocots and dicots.
391	B.Sc (microbiology)	81421	plant physiology	1. This course provides an introduction to basic principles of plant function. 2. Primarily covering physical processes in plants. 3. Metabolism, secondary products, cell physiology, and introducing principles of growth and development of plants.
392	B.Sc (microbiology)	83012	english	1: Focused on grammar and communication skills. 2: Helped students build their vocabulary and improve their use of English language. 3: Developed interview skills. 4: Helped students to develop their linguistic competence.


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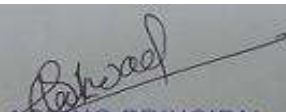
393	B.Sc (microbiology)	81312	physical & analytical chemistry	1 Students will use the solubility product to determine whether a precipitate will form when solution are mixed & calculate equilibrium constant for salt. 2 Determine rate constant & half life period for zero, 1st and second order reaction.
394	B.Sc (microbiology)	81322	organic & inorganic chemistry	1 Understood concept of different reagent used in the reaction. 2 Students got the knowledge of various reactions of heterocyclic compounds. 3 Know the position of d-block elements, electronic configuration and their properties. 4 Know the toxic chemicals in the environment.
395	B.Sc (microbiology)	81512	animal systematics & diversity IV	1 Career opportunities for students- wildlife biologist, conservation biologist, marine biologist, <u>evolutionary biologist</u>
396	B.Sc (microbiology)	81522	applied zoology II	1. After completion of this course students will able to Understood and identify fisheries and fish byproduct, and this course will also help them to know about agricultural pest and their management and control measure of pest during <u>their daily life</u>
397	B.Sc (microbiology)	81522	applied zoology II	2. At the end of this course students will Understood about Apiculture and Sericulture. this course help students to know process of silk formation and honey and will also help to <u>Understood their byproducts</u>
398	B.Sc (microbiology)	81412	plant anatomy & embryology	1. Differentiate between the basic systematic groups of vascular plants: ferns and fern allies, gymnosperms, and angiosperms. 2. Understood the hierarchy of plant structure by learning the basic features of plant cells, tissues, and organs. 3. Relate the structure of particular types of cells and tissues to their functions. 4. Interpreted the basic pattern of plant growth from different kinds of meristems and understood the relationships between primary growth and secondary growth.
399	B.Sc (microbiology)	81422	plant biotechnology	1. explain the basics of the physiological and molecular processes that occur during plant growth and development and during environmental adaptations 2. Understood how biotechnology has been used to develop knowledge of complex processes that occur in the plant 3. use basic biotechnological techniques to explore molecular biology of plants 4. explain how biotechnology is used for plant improvement and discuss the ethical implications of that use.
400	B.Sc (microbiology)	81912	bacterial genetics	1. Understood the molecules of bacterial heredity 2 Understood DNA replication 3 Got the knowledge of <u>mutations and reversions</u>


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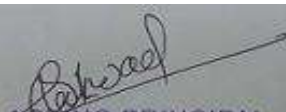
401	B.Sc (microbiology)	81922	air & water microbiology	1- Studied about air and water microflora 2- Understood effect of polluted water on human health
402	B.Sc (microbiology)	81532	zoology practical	1. This course actually helps to Understood the number of systems, behaviour, interaction with nature of the animals which help students in actual field work
403	B.Sc (microbiology)	81332	chemistry practical	1. Students will be able to design and carry out scientific experiments as well as accurately record result of such experiments. 2. Students learned and apply basic techniques used in the laboratory for preparation, purification & identification of organic compounds. 3. Students will correctly calculate reaction yield for relevant lab experiments. 4. Students learned the laboratory skill needed to design, safely conduct & interpret chemical research.
404	B.Sc (microbiology)	81932	microbiology practical	1- Understood different isolation and characterization techniques of microorganism, 2- Understood different water testing procedures, 3- Got the knowledge of different growth curve phases
405	B.Sc (microbiology)	89992	A course in environmental awareness	1: Students got the knowledge of environment
406	B.Sc (microbiology)	89992	A course in environmental awareness	2: Students understood the relation between biotic & abiotic factors
407	B.Sc (microbiology)	89992	A course in environmental awareness	3: Students aware of Natural & man made environmental problems
408	B.Sc (microbiology)	89992	A course in environmental awareness	4: Students aware of Human behavior towards environment
409	B.Sc (microbiology)	89992	A course in environmental awareness	5: Students aware of How to protect environment
410	B.Sc (microbiology)	91913	medical microbiology I	1 Understood the physiology and various systems of Human body 2. Got the knowledge of different bacterial pathogens causing different infections in human body. 3. Studied fungal and non fungal pathogens of human systems
411	B.Sc (microbiology)	91923	genetics & molecular biology I	1. Understood DNA replication, transcription, translation and operons 2. Understood genetics of bacteriophages. 3. Understood DNA repair mechanisms. 4. Got the knowledge of genetics of fungi, mitosis and meiosis
412	B.Sc (microbiology)	91933	enzymology	1. Got the knowledge of enzymes. 2. Understood role of co factors in metabolisms. 3. Got the knowledge of various methods of enzyme purification and metabolic regulations.


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413	B.Sc (microbiology)	91943	immunology I	1. Got the knowledge of how blood clls are formed. 2. Studied the innate immunity with non specific defence mechanisms. 3.Studied antigens ,antibodies and adaptive /innate immunity
414	B.Sc (microbiology)	91953	fermentation technology I	1- Identified the basic production methods of the fermentation process. 2- Identified the principles of fermentation in food processing . 3- Understood the patents and IPR
415	B.Sc (microbiology)	91963	food & dairy microbiology	1.Studied dairy development in India. 2. Study Milk Chemistry and Constituents. 3. Studied Microbiology of milk and preservation methods. 4. Learned Food spoilage and different methods of food preservation, diiferent food borne infections.
416	B.Sc (microbiology)	91914	medical microbiology II	1 Got the knowledge of chemotherapy for treating bacterial,fungal,viral ,protozoal infection and resistance to antibiotics. 2. Understood different viral pathogens with its infections .3. Understood the morphological ,pathological,and diagnostics characters of parasites
417	B.Sc (microbiology)	91924	genetics & molecular biology II	1 Got the knowledge of transformation, transduction,conjugation,recombination recombination mapping . 2. To Understood genetic complimentation. 3. Got the knowledge of bacterial plasmids
418	B.Sc (microbiology)	91934	metabolism	1. Membrane transport mechanisms 2. Understood biosynthesis & degradation of various biomolecules 3. Got knowledge of bacterial photosynthesis
419	B.Sc (microbiology)	91944	immunology II	1. Got the knowledge of major histocompatibility complex. 2. Studied immunoheamatology and public health immunology. 3. Got the knowledge of cytokines ,antigen antibody interactions
420	B.Sc (microbiology)	91951	fermentation technology II	1-Alcoholic fermentation ,2-Fermentation in food industry 3-Application of submerged and solid state fermentation.
421	B.Sc (microbiology)	91964	agricultural environmental microbiology	1. Studied the aspects of Agriculture Technology 2. Studied Biochemistry and production of bio-fertilizers. 3. Gained knowledge about Bioremediation, Waste Water Treatment and Bioleaching. 4. Learned basics of Nanobiotechnology, Microbial Biosensors and Bioprocess
422	B.Sc (microbiology)	91974	microbiology practical I (MB 347)	1. Learned the skills related to the isolation of bacterial cultures, 2. Haematology related practicals like blood grouping, hemoglobin estimation. 3:Students get awared about the process regarding Epidemiological survey and the data analysis required for it


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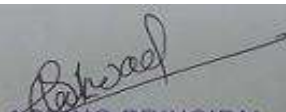
423	B.Sc (microbiology)	91974	microbiology practical I (MB 347)	1 Students got hands on experience to detect Blood Glucose/Urea/ Protein,Albumin 2. Students came to know practically how to determine enzyme activity and enzyme purification chart 3 Practical experience of Genomic DNA and plasmid DNA isolation and DNA estimation by DPA method
424	B.Sc (microbiology)	91974	microbiology practical I (MB 347)	1. Students Aware to do the practicals related to milk and Dairy Microbiology like FAt estimation,Mastitis and Pasteurization 2. Students practically get exposure to isolate microorganisms used in biofertilizer and improvement of soil fertility using microorganism. 3. Ethanol production using yeast and estimation of ethanol and Lactic acid bacteria isolation and antifungal activity. ,
425	Marathi	1027	F.Y.B.A Marathi G1	1. Create, interest, about Literature.
426	Marathi	11021 A	F.Y.B.A Marathi G1 Marathi Sahitya: katha ani bhashik kaushalya Vikas	2.Aware the students about Marathi Literature, Marathi Language and Marathi Culture.
427	Marathi	11021 A	F.Y.B.A Marathi G1 Marathi Sahitya: katha ani bhashik kaushalya Vikas	3.Developed the sense of awareness about literature amongst student
428	Marathi	11021 A	F.Y.B.A Marathi G1 Marathi Sahitya: katha ani bhashik kaushalya Vikas	4. Developed vision of literature amongst student
429	Marathi	11021 A	F.Y.B.A Marathi G1 Marathi Sahitya: katha ani bhashik kaushalya Vikas	5.Attended various trends and type of Marathi Literature.
430	Marathi	11021 A	F.Y.B.A Marathi G1 Marathi Sahitya: katha ani bhashik kaushalya Vikas	6.Developed the capacity of linguistic competence in order to confront the wor global comptition
431	Marathi	11021 A	F.Y.B.A Marathi G1 Marathi Sahitya: katha ani bhashik kaushalya Vikas	7.Explained importance of language in personality development.
432	Marathi	2027	S.Y.B.A General II	1.Introduced the student of the rules and regulations of the 'Shuddhalekhan'.
433	Marathi	2027	S.Y.B.A General II	2. Introduced the student of the rules and regulations of the 'Shuddhalekhan'
434	Marathi	2027	S.Y.B.A General II	3. Explained scope of modern Marathi Literature.
435	Marathi	2027	S.Y.B.A General II	4.Discussed about story, novel, Auto-biography and biography.
436	Marathi	2027	S.Y.B.A General II	5.Explained importance of auto-biography and biography.
437	Marathi	2027	S.Y.B.A General II	6.Explained importance of auto-biography and biography.


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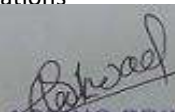
438	Marathi	2027	S.Y.B.A General II	7.create ability of appreciation, evacuation and interest of literature among the students.
439	Marathi	2029	Marathi Special Paper II	1. Made student aware of the historical tradition of Marathi Literature.
440	Marathi	2029	Marathi Special Paper II	2. Made student aware of Literature on the account of its background and inspiration behind literature and to give knowledge about it's nature
441	Marathi	2029	Marathi Special Paper II	3. Explore the process of development of the types of literature.
442	Marathi	3028	Marathi Special Paper III	1. Understood the scope of literature.
443	Marathi	3028	Marathi Special Paper III	2.Understood the objects of literature.
444	Marathi	3028	Marathi Special Paper III	3. Understood the process of origin Literature.
445	Marathi	3028	Marathi Special Paper III	4. Understood the language of literature.
446	Marathi	3028	Marathi Special Paper III	5. Understood the artistic value of literature.
447	Marathi	3028	Marathi Special Paper III	6.Know the co-relation between Literature & Society
448	Marathi	3029	Marathi Special Paper IV	1. Informed the students language and its scope and nature.
449	Marathi	3029	Marathi Special Paper IV	2. Understood various angles of study of Marathi Language.
450	Marathi	3029	Marathi Special Paper IV	3. Informed the students about the descriptive, Historical and comparative method, scope and difference of language.
451	Marathi	3029	Marathi Special Paper IV	4. Made aware of the students about system of Marathi Language.
452	Marathi	3029	Marathi Special Paper IV	5.Study about linguistic (synchronic and diachronic).
453	Marathi	3029	Marathi Special Paper IV	6.Study about linguistic (synchronic and diachronic).
454	Marathi	3029	Marathi Special Paper IV	7. Study the origin of Marathi Language.
455	Marathi	3029	Marathi Special Paper IV	8.Study the age of origin and transformation of the Marathi Language.
456	Marathi	3029	Marathi Special Paper IV	9. Understood and study phone, phonetics, phoneme and morphology of the Marathi Language
457	B.A. Politics	11161	Politics G1	1.Study in detail the political structure both Constitutional and Administrative.
458	B.A. Politics	11161	Politics G1	2. Study the political processes and the actual functioning of the political system .
459	B.A. Politics	11161	Politics G1	3.Critically assesses and its impact on the political processes.
460	B.A. Politics	11161	Politics G1	4.Comparative perspective with other developing countries.
461	B.A. Politics	2167	Politics G2	1. Study the concepts, ideas and theories in political theory.
462	B.A. Politics	2167	Politics G2	2. Explained the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically.


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463	B.A. Politics	2167	Politics G2	3. The different ideological standpoints with regard to various concepts and theories are to be critically explained with the purpose
464	B.A. Politics	2167	Politics G2	4. Theory of yesteryears gains prominence in contemporary political theory.
465	B.A. Politics	2169	Politics Special II	1. Define the Nature and Scope of Political Sociology
466	B.A. Politics	2169	Politics Special II	2. Study the Intellectual Foundation of Political Sociology.
467	B.A. Politics	2169	Politics Special II	3. Study the awareness of Political Culture.
468	B.A. Politics	2169	Politics Special II	4. Evaluation Political Socialization.
469	B.A. Politics	3169	Politics Special IV	1. The concepts and dimensions of international relations and Made an analysis of different theories highlighting the major debates and differences within the different theoretical paradigms
470	B.A. Politics	3169	Politics Special IV	2. Approaches to the Study of International Relations
471	B.A. Politics	3169	Politics Special IV	3. Study the Changing Nature of the National Power .
472	B.A. Politics	3169	Politics Special IV	4.Study the Changing Nature of the Balance of Power .
473	B.A. ENGLISH	1011	Compulsory English F.Y.	1. Developed grammatical skills and accuracy
474	B.A. ENGLISH	1011	Compulsory English F.Y.	2. Developed writing skills and comprehension of literature
475	B.A. ENGLISH	1011	Compulsory English F.Y.	3.Students are familiarized with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
476	B.A. ENGLISH	1011	Compulsory English F.Y.	4. Students are exposed to native cultural experiences and situations in order to develop human values and social awareness
477	B.A. ENGLISH	11331	Optional English G1	1. Students are exposed to the basics of literature and language
478	B.A. ENGLISH	11331	Optional English G1	2. Students are familiarized with different types of literature in English, the literary devices and terms so that they Understood the literary merit, beauty and creative use of language
479	B.A. ENGLISH	11331	Optional English G1	3. Students are made aware of the basic units of language so that they become aware of the technical aspects and their practical usage
480	B.A. ENGLISH	11331	Optional English G1	4.Students are prepared to go for detailed study and Understanding of literature and language
481	B.A. ENGLISH	11331	Optional English G1	5.Students developed integrated view about language and literature in them
482	B.A. ENGLISH	2017	Compulsory English S.Y.	1.Developed competence among the students for self-learning
483	B.A. ENGLISH	2017	Compulsory English S.Y.	2. Familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English


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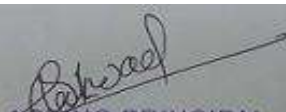
484	B.A. ENGLISH	2017	Compulsory English S.Y.	3. Developed students' interest in reading literary pieces
485	B.A. ENGLISH	2017	Compulsory English S.Y.	4. Exposed them to native cultural experiences and situations in order to develop human values and social awareness
486	B.A. ENGLISH	2017	Compulsory English S.Y.	5. Developed overall linguistic competence and communicative skills of the students
487	B.A. ENGLISH	2337	Optional English G2	1. Students are exposed to the basics of short story as one of the literary forms
488	B.A. ENGLISH	2337	Optional English G2	2. Students are familiarized with different types of short stories in English
489	B.A. ENGLISH	2337	Optional English G2	3. Students are Enabledd to Understood the literary merit, beauty and creative use of language
490	B.A. ENGLISH	2337	Optional English G2	4. Students acquired knowledge of some advanced units of language so that they become aware of the technical aspects and their practical usage
491	B.A. ENGLISH	2337	Optional English G2	5. Students developed integrated view about language and literature in them
492	B.A. ENGLISH	2338	English Special I	1. Students are encouraged to Made a detailed study o f a few sample masterpieces of English Drama from different parts of the world
493	B.A. ENGLISH	2338	English Special I	2. Interest is developed among the students to appreciate and analyze drama independently
494	B.A. ENGLISH	2338	English Special I	3. Students awareness is enhanced in the aesthetics of Drama and to empower them to evaluate drama independently
495	B.A. ENGLISH	2338	English Special I	4. Students are acquainted and familiarized the students with the terminology in drama criticism (i.e.the term used in Critical Analysis and Appreciation of drama)
496	B.A. ENGLISH	2339	English Special II	1.The students are familiarized with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)
497	B.A. ENGLISH	2339	English Special II	2. Students are encouraged to Made a detailed study of a few sample masterpieces of English poetry
498	B.A. ENGLISH	2339	English Special II	3.Students' awareness enhanced in the aesthetics of poetry
499	B.A. ENGLISH	2339	English Special II	4. Students are empowered to read and appreciate poetry as a form of literature
500	B.A. ENGLISH	2339	English Special II	5. Students develop the ability to critically evaluate the poetry independently
501	B.A. ENGLISH	2339	English Special II	6. Students are empowered to read and appreciate poetry as a form of literature
502	B.A. ENGLISH	2339	English Special II	7. Students developed the ability to critically evaluate the poetry independently
503	B.A. ENGLISH	3017	Compulsory English T.Y.	1. Introduced students to the best uses of language in literature.
504	B.A. ENGLISH	3017	Compulsory English T.Y.	2. Familiarized students with the communicative power of English
505	B.A. ENGLISH	3017	Compulsory English T.Y.	3. Enabled students to become competent users of English in real life situations


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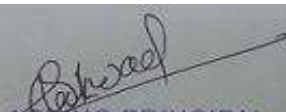
506	B.A. ENGLISH	3017	Compulsory English T.Y.	4. Exposed students to varied cultural experiences through literature
507	B.A. ENGLISH	3017	Compulsory English T.Y.	5. Contributed to their overall personality development by improving their communicative and soft skills
508	B.A. ENGLISH	3337	Optional English G3	1. students are made see how Indian English poetry expresses the ethos and culture of India
509	B.A. ENGLISH	3337	Optional English G3	2. Student Understood creative uses of language in Indian English Poetry
510	B.A. ENGLISH	3337	Optional English G3	3. Introduced students to some advanced areas of language study
511	B.A. ENGLISH	3337	Optional English G3	4. prepared students to go for detailed study and Understanding of literature and language
512	B.A. ENGLISH	3337	Optional English G3	5. students are exposed to some of the best samples of Indian English Poetry
513	B.A. ENGLISH	3338	English Special III	1. students familiarized to the basics of novel as a literary form
514	B.A. ENGLISH	3338	English Special III	2. students are exposed to the historical development and nature of novel
515	B.A. ENGLISH	3338	English Special III	3. students are made aware of different types and aspects of novel
516	B.A. ENGLISH	3338	English Special III	4. literary sensibility and sense of cultural diversity is developed in students
517	B.A. ENGLISH	3338	English Special III	5. students are exposed to some of the best examples of novel
518	B.A. ENGLISH	3338	English Special III	6. Developed the skills to critically examine novels independently
519	B.A. ENGLISH	3339	English Special IV	1. students made aware of selected approaches to literature
520	B.A. ENGLISH	3339	English Special IV	2. students are familiarized to the basics of literary criticism
521	B.A. ENGLISH	3339	English Special IV	3. students are made aware of the nature and historical development of criticism
522	B.A. ENGLISH	3339	English Special IV	4. students are familiarized with the significant critical approaches and terms
523	B.A. ENGLISH	3339	English Special IV	5. students are encouraged to interpret literary works in the light of the critical approaches
524	B.A. ENGLISH	3339	English Special IV	6. Developed students' aptitude for critical analysis
525	B.A. ENGLISH	2999	A Course in Environmental Awareness	1. Student got Knowledge of environment
526	B.A. ENGLISH	2999	A Course in Environmental Awareness	2. Student got Knowledge of relation between biotic & abiotic factors
527	B.A. ENGLISH	2999	A Course in Environmental Awareness	3. Natural & man made environmental problems
528	B.A. ENGLISH	2999	A Course in Environmental Awareness	4. Human behavior towards environment
529	B.A. ENGLISH	2999	A Course in Environmental Awareness	5. How to protect environment


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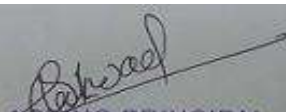
530	M.Sc (microbiology)	70101	MB- 501microbial diversity & taxonomy	1. Student Got Knowledge of Taxonomy . 2. Understood origin, Evolution of Life and Speciation , 3. Student Got Knowledge of unculturable bacteria and various methods for its cultivation
531	M.Sc (microbiology)	70102	MB-502 quantitative biology	1. Student Understood introductory biostatistics. 2. Student Got Knowlegde of descriptive statistics. 3. Student Understood parametric and non parametric tests
532	M.Sc (microbiology)	70103	MB-503 cell organization & biochemistry	1. Student Understood biochemistry of proteins and nucleic acids. 2. Student got Knowledge of ultra structure and organisation of eukaryotic cell. 3. Student understood development and differentitaition in vertebrates and invertebrate
533	M.Sc (microbiology)	70104	MB- 511 practical course 1 (microbial diversity & systematics)	1. Student developed skills of isolation and identification of eubacteria ,fungi and cyanobacteria, develop various skills in molecular taxonomy and its application in online data analysis. 2. Student got knowledge which will be applied in preparing a research paper based on sample data from the practical experiments
534	M.Sc (microbiology)	70105	MB-512 practical course II (cell biology & biochemistry))	1. Student developed skills in various microbiological techniques. 2. Student applied statistical Knowledge in practical data using various softwares. 3. Student developed skills in various molecular techniques
535	M.Sc (microbiology)	70201	MB- 601 instrumentation & molecular biophysics	1. STUDENT UNDERSTOOD THE TECHNIQUES LIKE CHROMATOGRAPHY ,ELECTROPHORESIS,AND CENTRIFUGATION METHODS USING BIOLOGICAL SAMPLES GET THE KNOWLEDGE OF VARIOUS TYPES OF MASS SPECTROSCOPY , THE CONCEPTS OF NANOPARTICLES AND SYNTHESIS OF NANOPARTICLES IN LABORATORY
536	M.Sc (microbiology)	70202	MB-602 virology	1. Student Understood Structure and Replication of viruses. 2. Student Understood Cultivation and Detection methods for viruses. 3. Student Understood basics of Nomenclature & Classification systems of viruses. 4. Student learned details about Viral Therapeutics and Bacteriophages
537	M.Sc (microbiology)	70204	MB-611 BIOPHYSICS & VIROLOGY	1.Student developed various skills in biophysical instrumentation. 2. Student developed various skills in virological techniques. 3. Student developed knowledge of research methodology and apply it in writing 'masters' thesis
538	M.Sc (microbiology)	70205	MB-612 ENZYMOLOGY & MICROBIAL METABOLISM	1.Student developed skill in purification & assay of enzymes 2. Student developed skills in isolation and characterization of anaerobic bacteria, microbial got knowledge of metabolism


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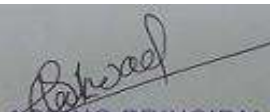
539	M.Sc (microbiology)	70301	MB-701 immunology	1. Student studied Cell surface molecules and receptors. 2. Student got Knowledge of Regulation of Immune response ,Tumor Immunology ,Infection and Immunity. 3. Student studied Experimental Immunology
540	M.Sc (microbiology)	70302	MB-702 molecular biology I	1.Student studied RNA processing & mobile DNA elements. 2. Student studied fine control of prokaryotic and eukaryotic transcription. 3. Student studied proteomics & tools in molecular biology
541	M.Sc (microbiology)	70303	MB-703 industrial waste water treatment	1.Student studied basic Principles of Wastewater Treatment. 2. student learned different Pretreatment & Primary treatment process used in waste water treatment. 3. Student learned Secondary and Tertiary Treatment process. 4. Student gained Knowledge of Current industrial wastewater treatment processes and Advanced, Combined and Innovative wastewater treatment processes in detail.
542	M.Sc (microbiology)	70304	MB-711 practical course I (immunology, pharmaceutical microbiology & environmental microbiology)	1.Student studied different physico chemical parameters of waste water, Understanding about cell lines, GMP in industries
543	M.Sc (microbiology)	70305	MB- 712 practical course II (molecular biology I & II & microbial technology))	1. Student studied extraction and characterization of antibiotic resistant plasmid, Gene annotation ,Transformation technique.
544	M.Sc (microbiology)	70401	MB- 801 pharmaceutical & medical microbiology	1.Student studied drug Discovery and Development, Development of Anti-infectives. 2. Student Got Knowledge of Determinants of Microbial Pathogenicity
545	M.Sc (microbiology)	70402	MB-802 molecular biology II	1. Student Understood genomics & Gene technology , Understood Applications of recombinant DNA technology – Production of Secondary Metabolites , Genetically modified animals and plants. Gene annotation
546	M.Sc (microbiology)	70403	MB-803 microbial technology	1. Student studied Bioreactor design and operation , Understood Process Variables and Monitoring , Got Knowledge of Microbial Processes and Intellectual property rights
547	M.Sc (microbiology)	70404	MB-811 dissertation I	co 1 to Understood the research problem co2 to Understood Analytical and reasoning abilities of the student for interpretation of data,co 3 to increase the confidence of student regarding presentation of the research
548	M.Sc (microbiology)	70203	MB- 603 microbial metabolism	1. Student Understood Enzyme Kinetics ,Bioenergetics & Aerobic and anaerobic respiration. 2 Student got Knowledge of Membrane Transport. 3. student got Knowledge of Lipid biosynthesis


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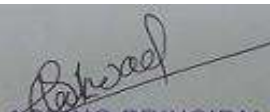
549	BBA(CA)	101	Modern Operating Environment & MS Office	1.Student learned the Concepts of Operating System & Concept of MS-Office.
550	BBA(CA)	101	Modern Operating Environment & MS Office	2.Student learned structure & working of computer.
551	BBA(CA)	102	Financial Accounting	1. Student got basic accounting Knowledge
552	BBA(CA)	102	Financial Accounting	2.Student got the Knowledge about recording of transactions and preparation of final accounts
553	BBA(CA)	102	Financial Accounting	3.Acquaint the students about accounting software packages
554	BBA(CA)	102	Financial Accounting	4. Enabled the students to acquire sound Knowledge of basic concepts of accounting
555	BBA(CA)	103	Programming Principal & Algorithms	1.Student got the Basics Of Programming.
556	BBA(CA)	103	Programming Principal & Algorithms	2. student understood how to use programming in day to day Applications.
557	BBA(CA)	104	Business Communication	1.Student understood the concept, process and importance of communication.
558	BBA(CA)	104	Business Communication	2.Developed an integrative approach where reading, writing, presentation skills are used together to enhance the students' ability to communicate and write effectively.
559	BBA(CA)	104	Business Communication	3.Created awareness among students about Methods and Media of communication.
560	BBA(CA)	104	Business Communication	4.Made students familiar with information technology and improve job seeking skills.
561	BBA(CA)	105	Principles of Management	1. Provided the fundamental Knowledge about working of business organization.
562	BBA(CA)	105	Principles of Management	2. Made students well acquainted with management process , functions and principles.
563	BBA(CA)	105	Principles of Management	To Made the students familiar with recent trends in management.
564	BBA(CA)	106	Laboratory Course - I(Based on Paper no.101 &102)	Practical and actual working of constructing programs is done by students
565	BBA(CA)	201	Procedure Oriented Programming using C	1.Student learned Decision making, structure, Union & all basics of C programming language,
566	BBA(CA)	202	Database Management System	1. Enabled students to Understood file structure & organization in DBMS.
567	BBA(CA)	202	Database Management System	2. Student understood Relational model, Relational Database design & Concepts of SQL
568	BBA(CA)	203	Organizational Behavior	1. Students Understood the impact that individual, group & structures have on their behavior within the organizations.
569	BBA(CA)	203	Organizational Behavior	2. Helped them enhance and apply the Knowledge they have received for the betterment of the organization.
570	BBA(CA)	204	Computer Application In Statistics	1. Students understood the power of excel spreadsheet in computing summary statistics.


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571	BBA(CA)	204	Computer Application In Statistics	2. Students understood the concept of probability, probability distributions and simulations in business world and decision making.
572	BBA(CA)	302	Data Structures Using C	1.Know the concepts of Data Structure in C Programming.
573	BBA(CA)	302	Data Structures Using C	2. Understood how to use programming in day to day Applications.
574	BBA(CA)	303	Operating System Concepts	1.Know services provided by operating system.
575	BBA(CA)	303	Operating System Concepts	2.Know the Scheduling concepts.
576	BBA(CA)	303	Operating System Concepts	3.Know the system programming.
577	BBA(CA)	304	Business Mathematics	1.Enableds students to Understood Profit And Loss Terms and Formulas, Matrices And Determinants, Transportation problem , Linear Programming problem
578	BBA(CA)	305	Software Engineering	1.Know the concepts of C Programming.
579	BBA(CA)	305	Software Engineering	2.Understood how to use programming in day to day Applications.
580	BBA(CA)	306	Laboratory Course - III(Based On Paper No. 301 & 302)	1.Practical and actual working of constructing programs is done by students
581	BBA(CA)	401	OOP'S using C++	1. Acquire an Understanding of basic object-oriented concepts and the issues involved in effective class design.
582	BBA(CA)	401	OOP'S using C++	2. Enableds student to write C++ programs that use: object-oriented concepts such as information hiding, constructors, destructors, inheritance.
583	BBA(CA)	402	Programming In Visual Basic	1. Understood the use of active controls and how to design VB application.
584	BBA(CA)	402	Programming In Visual Basic	2.learned connectivity between VB and databases.
585	BBA(CA)	402	Programming In Visual Basic	3. learned properties and events, methods of controls and how to handle events of different controls.
586	BBA(CA)	403	Computer Networking	1. Know about computer network.
587	BBA(CA)	403	Computer Networking	2. Understood different topologies used in networking , learned different types of network.
588	BBA(CA)	403	Computer Networking	3. Understood the use of connecting device used in network.
589	BBA(CA)	404	EnterpriSe Resource Planning	1. Know what is ERP.
590	BBA(CA)	404	EnterpriSe Resource Planning	2. learned different ERP (Enterprise Resource Planning) technologies.
591	BBA(CA)	205	E-Commerce Concepts	1.Knowledge the concepts of " C " Programming.
592	BBA(CA)	205	E-Commerce Concepts	2.Undestood how to use programming in day to day Applications.
593	BBA(CA)	405	Human Resource Management	1. Acquaint Human Resource Processes that are concerned with planning,


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594	BBA(CA)	405	Human Resource Management	2. Motivated and developing suitable employees for the benefit of the organization.
595	BBA(CA)	405	Human Resource Management	3. Acquaint the students with the Human Resource Management its different functions in an organization.
596	BBA(CA)	301	Relational Database Management Systems	1. This course provides an introduction to the relational model.
597	BBA(CA)	301	Relational Database Management Systems	2. Understood basic relational database design, conceptual data modeling practices, some relational database management system , operation and fundamental Structured Query Language (SQL)
598	BBA(CA)	406	Laboratory Course - IV(Based On Paper No. 401 & 402)	1.Practical and actual working of constructing programs is done by students
599	BBA(CA)	501	Java Programming	1.Understood how to use programming in day to day applications.
600	BBA(CA)	501	Java Programming	2.Know the concept of Java Programming.
601	BBA(CA)	206	Laboratory Course - II(Based On Paper No.201 &202)	1.Practical and actual working of constructing programs is done by students
602	BBA(CA)	502	Web Technologies	1.Know & Understood concepts of internet programming.
603	BBA(CA)	502	Web Technologies	2.Understood how to develop web based applications using PHP.
604	BBA(CA)	503	Dot Net Programming	1.This will introduce visual programming and event driven programming practically, This will enhance applications development skill of the student.
605	BBA(CA)	504	Object Oriented Software Engineering	1. Understood system development through object oriented techniques.
606	BBA(CA)	504	Object Oriented Software Engineering	2. Understood concept of system design using UML.
607	BBA(CA)	601	Advanced Web Technologies	1. Know & Understood concepts of internet programming.
608	BBA(CA)	601	Advanced Web Technologies	2. Understood the concepts of XML and AJAX.
609	BBA(CA)	602	Advanced Java	1. Understood how to use programming in day to day applications.
610	BBA(CA)	602	Advanced Java	2.Developed programming logic.
611	BBA(CA)	602	Advanced Java	3. Know the concept of Java Programming.
612	BBA(CA)	603	Recent Trends in IT	1. Introduced upcoming trends in Information technology.
613	BBA(CA)	603	Recent Trends in IT	2. Studied Eco friendly software development.
614	BBA(CA)	606	Laboratory Course - VI(Based On Paper No. 601&602)	1.Practical and actual working of constructing programs is done by students
615	BBA(CA)	604	Software Testing	1. Know the concept of software testing.
616	BBA(CA)	604	Software Testing	2. Understood how to test bugs in software.
617	BBA(CA)	604	Software Testing	3.Developed programming logic.
618	BBA(CA)	605	Software Project II(Based On Java/Dot Net Technology)	1.Project development Cycle clearly Understood by Students


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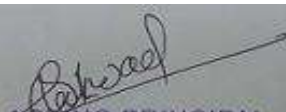
619	BBA(CA)	505	Software Project I(Based On c++ / VB Technology)	1.Detail Knowledge about SDLC, ERD, DFD, Feasibility study, Designing forms,Database connectivity is done by students
620	BBA(CA)	506	Laboratory Course - V(Based On Paper No. 501 & 502)	1. Practical and actual working of constructing programs is done by students
621	B.Sc. Computer science	22121	Object Oriented Concepts using C++	1.Students learned the Knowledge of object oriented concepts like encapsulation,polymorphism etc
622	B.Sc. Computer science	22121	Object Oriented Concepts using C++	2. Students received the Knowledge of Difference between OOP and other conventional, Students received the Knowledge of Class & Object proprieties, Students received Knowledge about object oriented concepts and developing ability of programming.
623	B.Sc. Computer science	22124	Lab Course using Mysql & Project	1.Illustrated Creation and Manipulation of Database,Views,Cursor,Function,Trigger,Exception Handling.
624	B.Sc. Computer science	22124	Lab Course using Mysql & Project	2.Prepared requirment document for standard application 2.Identify problems in existing system 3.Fesibility study for new computer system.
625	B.Sc. Computer science	22124	Lab Course using Mysql & Project	3. Implemented ER Diagram,Data Flow Diagram,Data Dictionary
626	B.Sc. Computer science	22124	Lab Course using Mysql & Project	4.Implemented different process involved in application and design output screens
627	B.Sc. Computer science	22521	Technical English	1.Focused on grammer and communication skills.2. Helped the students to build their vocabulary and improve their use of english langauge. 3.Developed their interviews skills.4.help the students develop their linguistic competence.
628	B.Sc. Computer science	21221	Linear Algebra	1. Got the mathematical Knowledge of eigen values
629	B.Sc. Computer science	21221	Linear Algebra	2. Got the mathematical Knowledge of eigen vectors and rank of matrix
630	B.Sc. Computer science	21221	Linear Algebra	3. Got Knowledge of linear transformation and types of it
631	B.Sc. Computer science	21221	Linear Algebra	4. Got the mathematical Knowledge of cryptology and various concept of it
632	B.Sc. Computer science	21221	Linear Algebra	5. Got details about vector space
633	B.Sc. Computer science	21222	Numerical Analysis	1. Got the mathematical Knowledge of Simpson's 1/3rd Method
634	B.Sc. Computer science	21222	Numerical Analysis	2.Got the mathematical Knowledge of Numerical Integration


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635	B.Sc. Computer science	21222	Numerical Analysis	3.Student will Got Knowledge of errors ,types of errors
636	B.Sc. Computer science	21222	Numerical Analysis	4. Got the mathematical Knowledge of different types of operators like averaging,shift operators
637	B.Sc. Computer science	21222	Numerical Analysis	5. Got the mathematical Knowledge of numerical solution of ODE equation
638	B.Sc. Computer science	21321	MicroProcessor Architechture & Programming	1. Study of programme on 8086 microprocessor architecture,basic instructions and Programming in assembly level language & interfacing with any device
639	B.Sc. Computer science	21321	MicroProcessor Architechture & Programming	2. Got Knowledge about Microprocessor and Architechture
640	B.Sc. Computer science	21322	Communications Principles	1. Devoloped a communication skills in different manners., 2. Get Knowledge of Satellite and Mobile Communication 3.Got Knowledge of telephone communication.
641	B.Sc. Computer science	21121	Data Structures using C Prog.	1.Use of Searching and Sorting Algorithms
642	B.Sc. Computer science	21121	Data Structures using C Prog.	2.Linked list implementation
643	B.Sc. Computer science	21122	Realational database Managemant System	1.Student learned concepts of Transaction and Concurrency Control by Scheduling,Locks and Deadlock handling method
644	B.Sc. Computer science	21122	Realational database Managemant System	2.Student learned concepts of Database Integrity and Security
645	B.Sc. Computer science	21122	Realational database Managemant System	3. Student learned concepts of failure and different techniques of recovery from failure
646	B.Sc. Computer science	21122	Realational database Managemant System	4. Student learned concepts of Client Server Technology
647	B.Sc. Computer science	21122	Realational database Managemant System	5.Student learned concepts of Relational Database Design, Preliminaries Postgres Sql data types,Language structure, Control & Conditional Statement , Views, Stored functions,procedure, Handling errors , Cursors , Triggers
648	B.Sc. Computer science	21521	Technical English	1. Focused on grammer and communication skills.
649	B.Sc. Computer science	21521	Technical English	2. Helped the students build their vocabulary and improve their use of english langauge.
650	B.Sc. Computer science	21521	Technical English	3. Improved their interview skills.
651	B.Sc. Computer science	21521	Technical English	4. Helped the students to develop their linguistic competence.


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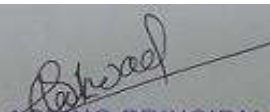
652	B.Sc. Computer science	31121	System Programming & Operating System I	1.Student learned concepts of Line Editor,Types of Editor.
653	B.Sc. Computer science	31121	System Programming & Operating System I	2. Student learned concepts of Assembler .
654	B.Sc. Computer science	31121	System Programming & Operating System I	3. Student learned concepts of Macro PreProcessor.
655	B.Sc. Computer science	31121	System Programming & Operating System I	4.Student learned concepts of linker and loader
656	B.Sc. Computer science	31121	System Programming & Operating System I	5. Student learned concepts and working of System Programing
657	B.Sc. Computer science	31122	Theoretical Computer Science & Compiler Construction I	1.Students learned the Knowledge of theory of computation, DFA, NFA 2. Students learned the Knowledge of CNF,CFG,GNF. 3.Students learned the Knowledge of Moore Machine,Melay Machine Turing Machine
658	B.Sc. Computer science	31123	Computer Networks I	1.Students learned concepts of error detection and correction code.
659	B.Sc. Computer science	31123	Computer Networks I	2.Students learned concepts of internetworking and devices ,routing methods
660	B.Sc. Computer science	31123	Computer Networks I	3. Students learned concepts of data communication and networking refence models.
661	B.Sc. Computer science	31124	Web Development & PHP Programming	1. Student learned the concept of HTML
662	B.Sc. Computer science	31124	Web Development & PHP Programming	2. Students learned the concepts of PHP scripting & developement of Internet Websites
663	B.Sc. Computer science	31124	Web Development & PHP Programming	3.Students learned the hands on Knowledge of PHP & POSTGRES
664	B.Sc. Computer science	31125	Programming in Java I	1. Created of packages and interfaces in java.
665	B.Sc. Computer science	31125	Programming in Java I	2. Used Exception handling and file handling mechanism in java programs.
666	B.Sc. Computer science	31125	Programming in Java I	3. Created of GUI using awt, swing and applets.
667	B.Sc. Computer science	31125	Programming in Java I	4. Understood object oriented concepts(class, constructor, polymorphism, inheritance, interface) in Java Language.
668	B.Sc. Computer science	31126	Object Oriented Software Engineering	1.Illustrated different phases of developing of software , 2.Rrecognized different object oriented techniques , of software testing, re-usability of software and software maintenance.


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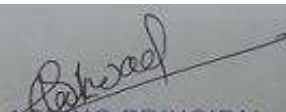
669	B.Sc. Computer science	32131	System programming & Operating System II	1. Students learned the concepts of Operating System, advantage and disadvantage of OS.
670	B.Sc. Computer science	32131	System programming & Operating System II	2. Student learned the concepts of Process Management, CPU scheduling algorithms and Process Synchronization.
671	B.Sc. Computer science	32131	System programming & Operating System II	3. Student learned the concepts of Deadlocks.
672	B.Sc. Computer science	32131	System programming & Operating System II	4. Student learned the concepts of Memory Management.
673	B.Sc. Computer science	32131	System programming & Operating System II	5. Student learned the concepts of Storage Management
674	B.Sc. Computer science	32132	Compiler Construction II	1. Students learned the concept of Compilers, Students learned the Concept of different parsing techniques
675	B.Sc. Computer science	32133	Computer Networks II	1. Students learned concepts of security.
676	B.Sc. Computer science	32133	Computer Networks II	2. Students learned concepts of Network layers functions.
677	B.Sc. Computer science	32133	Computer Networks II	3. Students learned concepts of modern topics like ISDN services and ATM
678	B.Sc. Computer science	32133	Computer Networks II	4. Students learned concepts of protocols like DNS, SMTP, SNMP, FTP, HTTP.
679	B.Sc. Computer science	32134	Web Development & PHP Programming	1. Students learned the Knowledge of web techniques, Email handling.
680	B.Sc. Computer science	32134	Web Development & PHP Programming	2. Created web pages using HTML & XML
681	B.Sc. Computer science	32134	Web Development & PHP Programming	3. Used Java Script in web design.
682	B.Sc. Computer science	32135	Programming in Java II	1. Used Collection classes for storing data. .
683	B.Sc. Computer science	32135	Programming in Java II	2. Got knowledge of Server programming using Servlets and JSP.
684	B.Sc. Computer science	32135	Programming in Java II	3. Got knowledge of Client server programming using java.net package.
685	B.Sc. Computer science	32135	Programming in Java II	4. Understood working of multithreading programming
686	B.Sc. Computer science	32135	Programming in Java II	5. Got Knowledge of database connectivity.


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687	B.Sc. Computer science	32136	Business Applications/Computer Graphics	1. Students learned the concepts of Graphics display devices, different types of graphics drawing algorithms. 2. Students learned the concepts of 2D and 3D Geometrical Transformations. 3. Students learned the concepts of Viewing, Curves and surfaces . 4. Students learned the concepts of Hidden Line/surface elimination techniques. 5. Students learned the concepts of some Scan Conversion algorithms
688	B.Sc. Computer science	32137	Lab Course I	1.Student learned practical Knowledge of Implementation of system programs. examples of system programs is Simulator,Line Editor,Assembler,Macro Preprocessor,DFA Driver
689	B.Sc. Computer science	32137	Lab Course I	2.Student learned practical Knowledge of shell programming
690	B.Sc. Computer science	32137	Lab Course I	3.Student learned practical Knowledge of different file allocation method
691	B.Sc. Computer science	32137	Lab Course I	4.Student learned practical Knowledge of Process Synchronization and Scheduling
692	B.Sc. Computer science	32138	Lab Course II	1. Student learned practical Knowledge of creating GUI using awt, swing and applets.
693	B.Sc. Computer science	32138	Lab Course II	2. Student learned practical Knowledge of programs on database connectivity through java programs.
694	B.Sc. Computer science	32138	Lab Course II	3. Student learned practical Knowledge of develop server programs using servlets and JSP.
695	B.Sc. Computer science	32138	Lab Course II	4. Student learned practical Knowledge of implementing Client Server programs.
696	B.Sc. Computer science	32138	Lab Course II	5. Student learned practical Knowledge of implementing Java programs using java SDK in Eclipse.
697	B.Sc. Computer science	32139	Lab Course III	1.Students learned the concept of Web programming,database,XML,JavaScript & PHP. 2. Students learned the concepts of real world problems
698	B.Sc. Computer science	22727	A course in Environmental Awareness	1. Student got Knowledge of Environment
699	B.Sc. Computer science	22727	A course in Environmental Awareness	2. Student got Knowledge of relation between biotic n abiotic factors
700	B.Sc. Computer science	22727	A course in Environmental Awareness	3.Student got Knowledge of natural & man made environmental problems
701	B.Sc. Computer science	22727	A course in Environmental Awareness	4. Student got Knowledge of human behavior towards environment


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702	B.Sc. Computer science	22727	A course in Environmental Awareness	5. Student got Knowledge of how to protect environment
703	B.Sc. Computer science	22122	Software Engineering	1. Recognized different techniques of Software Development.
704	B.Sc. Computer science	22122	Software Engineering	2. Identified different challenges in maintaining or updating old software.
705	B.Sc. Computer science	22122	Software Engineering	3. Justified the strategies for testing, reusability etc. to reduce cost of software development.
706	B.Sc. Computer science	22122	Software Engineering	4. Demonstrated the role and responsibilities of software engineers in various phases of software development.
707	B.Sc. Computer science	22122	Software Engineering	5. Illustrated different phases of developing high end software in an industry.
708	B.Sc. Computer science	22322	Digital Signal Processing/Analog system	1. Got the Knowledge of Image Processing
709	B.Sc. Computer science	22322	Digital Signal Processing/Analog system	2. Got the Knowledge application of analog system
710	B.Sc. Computer science	22322	Digital Signal Processing/Analog system	1. Got idea about sensors and their practical uses
711	B.Sc. Computer science	22323	Electronics Practical	1. Students will be able to identify the electronic components & kits, Students must be able to explain code converter memory & FSK, Students will be able to learn & understand KEIL & PINNECLE Software, Understood the practical Knowledge of various electronics phenomenon by demonstration of experiments.
712	B.Sc. Computer science	22223	Mathematics Practical	1. Got Knowledge of basic command of scilab
713	B.Sc. Computer science	22223	Mathematics Practical	2. Got details about different operations on matrix using scilab
714	B.Sc. Computer science	22223	Mathematics Practical	3. Got Knowledge of numerical integration using scilab
715	B.Sc. Computer science	22223	Mathematics Practical	4. Student learned to know numerical interpolation using scilab
716	B.Sc. Computer science	22223	Mathematics Practical	5. Student learned to know about circle, ellipse using C programming
717	B.Sc. Computer science	22321	Microcontroller & Embedded Systems	1. Study of programme on 8051 microcontroller architecture instructions set, Programming Knowledge using keil & pinneacle software & interfacing


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718	B.Sc. Computer science	11321	Principles of Analog Electronics	1.Got Knowledge electronic components and construction , 2. Got idea about signals used in daily routien, 3. Got clear idea about all types of signals and basic electronic circuits.
719	B.Sc. Computer science	11322	Principles of Digital Electronics	1.Students learned Knowledge of number systeme & logic gates. 2.Students learned Knowledge of multiplexers & sequential circuits. 3.Students learned Knowledge of boolean algebra & combinational circuits. 4.Students will be able to Understood some logic families(TTL ECL MOS CMOS)
720	B.Sc. Computer science	22222	Operations Reasearch	1.Got the Mathematical Knowledge of LPP
721	B.Sc. Computer science	22222	Operations Reasearch	2. Got the mathematical Knowledge of transportation problem
722	B.Sc. Computer science	22222	Operations Reasearch	3. Got details about simplex method and its types
723	B.Sc. Computer science	22222	Operations Reasearch	4. Got the mathematical Knowledge of game theory
724	B.Sc. Computer science	22222	Operations Reasearch	5. Got the mathematical Knowledge of Assignment problem and types of it
725	B.Sc. Computer science	22221	Computational Geometry	1.Got the Knowledge of two dimentional objects
726	B.Sc. Computer science	22221	Computational Geometry	2. Student learned the concepts of three dimentional rotations,reflections,scaling
727	B.Sc. Computer science	22221	Computational Geometry	3. Student learned the concepts of types of projection
728	B.Sc. Computer science	22221	Computational Geometry	4. Student learned the concepts of solid body transfomation
729	B.Sc. Computer science	22221	Computational Geometry	5. Got the Knowledge of generation of circle,ellipse,parabola,Hyperbola
730	B.Sc. Computer science	11121	Introduction to Programming & C Programming	1.Students will do small programs using functions,arrays,strings and control structures.
731	B.Sc. Computer science	11121	Introduction to Programming & C Programming	2.Students learned concepts of structures,pointers and file handling
732	B.Sc. Computer science	11121	Introduction to Programming & C Programming	3.Students learned concepts of programming.
733	B.Sc. Computer science	11124	Lab Course based on O.S.,HTML,Shell Programming & DBMS	1. Creation of simple HTML pages using HTML5 tags.
734	B.Sc. Computer science	11124	Lab Course based on O.S.,HTML,Shell Programming & DBMS	2. Frame creation and Webform Designing.


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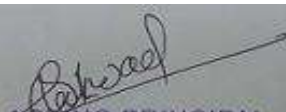
735	B.Sc. Computer science	11124	Lab Course based on O.S.,HTML,Shell Programming & DBMS	3.Creation of database using SQL commands.
736	B.Sc. Computer science	11124	Lab Course based on O.S.,HTML,Shell Programming & DBMS	4. Insert, update, delete and manipulate data from database.
737	B.Sc. Computer science	11223	Mathematics Practical Paper	1- Student learned to Know about divisibility of integers
738	B.Sc. Computer science	11223	Mathematics Practical Paper	2-Got details about operations on graph C
739	B.Sc. Computer science	11223	Mathematics Practical Paper	3- Student learned to Know binary operations and Algebraic System
740	B.Sc. Computer science	11223	Mathematics Practical Paper	4-Got details about algorithms of graphs
741	B.Sc. Computer science	11223	Mathematics Practical Paper	5-Student learned to Know about relations and functions
742	B.Sc. Computer science	11422	Statistics Methods II	1. By the end of the course students are expected to be able : to distinguish between random and non- random experiments.
743	B.Sc. Computer science	11422	Statistics Methods II	2. to find the probabilities of events.
744	B.Sc. Computer science	11422	Statistics Methods II	3. to obtain a probability distribution of random variable in the given situation,
745	B.Sc. Computer science	11422	Statistics Methods II	4. to apply standard discrete probability distribution to different situations ,
746	B.Sc. Computer science	11422	Statistics Methods II	5. To apply the different hypothesis testing methods to real life situations
747	B.Sc. Computer science	11422	Statistics Methods II	6 . To use simulation techniques to generate random samples.
748	B.Sc. Computer science	11422	Statistics Methods II	7. Understood the Methods of counting
749	B.Sc. Computer science	11422	Statistics Methods II	8.to Understood the sample space events
750	B.Sc. Computer science	11423	Practical Course in Statistics	By the end of this course students are expected to be able: 1. to compute various measures of central tendency, dispersion, skewness and kurtosis, 2. to compute correlation coefficient, regression coefficients, 3. to fit binomial distribution, 4. to analyse data pertaining to discrete and continuous variables and to interpret the results, 5. to analyse the data using different hypothesis testing methods 6) To use simulation techniques


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751	B.Sc. Computer science	11323	Electronics Practical Paper	1:-Students will be able to identify the electronics components and instruments 2:-Students must be able to explain rectifier diode & zener diode characteristics & calculations 3:-Students will be able to draw & explain IV characteristics of BJT, Amplifier 4:-Students will be able to explain logic gate, Theorems, Adders & sequential circuits.
752	B.Sc. Computer science	11123	Lab Course based on C Programming	1. Practical Knowledge of linux commands.
753	B.Sc. Computer science	11123	Lab Course based on C Programming	2.Students learned practical Knowledge of C programming lang.
754	B.Sc. Computer science	11123	Lab Course based on C Programming	3.Students will do programs like pascal triangle, floyds triangle, matrix operations, recursion
755	B.Sc. Computer science	11123	Lab Course based on C Programming	4.Students learned concept of simple programs and demonstrate control structures
756	B.Sc. Computer science	11122	File Organisation & Fundamental Database	1.Understanding types of files, File organisation in files and Index Structure.
757	B.Sc. Computer science	11122	File Organisation & Fundamental Database	2.Students learned the concepts of DBMS, data models (E-R model, etc) and database.
758	B.Sc. Computer science	11122	File Organisation & Fundamental Database	3.Understanding concepts of SQL and Integrity constraints.
759	B.Sc. Computer science	11122	File Organisation & Fundamental Database	4. Normalization using Functional dependencies.
760	B.Sc. Computer science	11221	Discrete Mathematics	1:-Got the mathematical Knowledge of such Graphs
761	B.Sc. Computer science	11221	Discrete Mathematics	2:-Logic recurrence relation and counting principle
762	B.Sc. Computer science	11221	Discrete Mathematics	3:-student learned the concepts of Operations on graph
763	B.Sc. Computer science	11221	Discrete Mathematics	4:-student learned the Knowledge of all logical Connectives
764	B.Sc. Computer science	11221	Discrete Mathematics	5:-student learned concepts of graphical Algorithm
765	B.Sc. Computer science	11222	Algebra & Calculus	1:-Got Knowledge of Relations and Functions
766	B.Sc. Computer science	11222	Algebra & Calculus	2:-Student learned the concept of group, subgroup
767	B.Sc. Computer science	11222	Algebra & Calculus	3:-Student learned to Know mathematical induction


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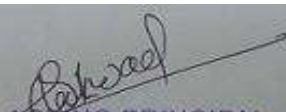
768	B.Sc. Computer science	11222	Algebra & Calculus	4:- Student learned to Know about continuity of function
769	B.Sc. Computer science	11222	Algebra & Calculus	5:-Got Knowledge about Successive Differentiation
770	B.Sc. Computer science	11421	Statistics Methods I	1. By the end of this course students are expected to be able: to tabulate statistical information given in descriptive form.
771	B.Sc. Computer science	11421	Statistics Methods I	2. Use graphical techniques and interpret.
772	B.Sc. Computer science	11421	Statistics Methods I	3. Compute various measures of central tendency, dispersion, skewness and kurtosis.
773	B.Sc. Computer science	11421	Statistics Methods I	4. Compute the correlation coefficient for bivariate data and interpret it.
774	B.Sc. Computer science	11421	Statistics Methods I	5. Analyze data pertaining to time series and to interpret the results.
775	B.Sc. Computer science	11421	Statistics Methods I	6. Summarized and analyze the data using computer.
776	Bachelor Of Computer Application	101	Business Communication	1. Understood the concept, process and importance of communication.
777	Bachelor Of Computer Application	101	Business Communication	2. Made students familiar with information technology.
778	Bachelor Of Computer Application	101	Business Communication	3. Gain Knowledge of media of communication.
779	Bachelor Of Computer Application	101	Business Communication	4.Developed skills of effective communication - both written and oral.
780	Bachelor Of Computer Application	102	Principles Of Management	1.Provide the fundamental Knowledge about working of business organization.
781	Bachelor Of Computer Application	102	Principles Of Management	2. Made students well acquainted with management process , functions and principles.
782	Bachelor Of Computer Application	102	Principles Of Management	3. Made the students familiar with recent trends in management.
783	Bachelor Of Computer Application	102	Principles Of Management	4. Provided a basis of Understanding to the students with reference to working of business organization through the process of management.
784	Bachelor Of Computer Application	103	Programming Principles & Algorithms	1. Know the Basics Of Programming
785	Bachelor Of Computer Application	103	Programming Principles & Algorithms	2. Understood how to use programming in day to day Applications.


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786	Bachelor Of Computer Application	104	Computer Fundamental & Office Automation	1. Know the basics of computers
787	Bachelor Of Computer Application	104	Computer Fundamental & Office Automation	1. Understood basics of operating system
788	Bachelor Of Computer Application	104	Computer Fundamental & Office Automation	1. Understood how to use software packages in day to day activity
789	Bachelor Of Computer Application	104	Computer Fundamental & Office Automation	1. Microsoft Office and its features are easily used in practical way.
790	Bachelor Of Computer Application	105	Business Accounting	1. Impart basic accounting Knowledge
791	Bachelor Of Computer Application	105	Business Accounting	2. Enabled the students to acquire sound Knowledge of basic concepts of accounting
792	Bachelor Of Computer Application	105	Business Accounting	3. Impart the Knowledge about recording of transactions and preparation of final accounts
793	Bachelor Of Computer Application	105	Business Accounting	4. Acquaint the students about accounting software packages
794	Bachelor Of Computer Application	106	Computer Laboratory & Practical Work(OA + PPA)	1. Practical and actual working of constructing programs is done by students
795	Bachelor Of Computer Application	201	Organizational Behavior	1. Enabled the students to Understood the impact that individual, group & structures have on behavior within the organizations and apply such Knowledge towards improving organizational effectiveness
796	Bachelor Of Computer Application	201	Organizational Behavior	2. Students to understand the impact that individual, group & structures have on their behavior within the organizations.
797	Bachelor Of Computer Application	201	Organizational Behavior	3. Helped to student enhance and apply the Knowledge they have received for the betterment of the organization.
798	Bachelor Of Computer Application	202	Elements Of Statistics	1. Student understood the power of excel spreadsheet in computing summary statistics.
799	Bachelor Of Computer Application	202	Elements Of Statistics	2. Student understood the concept of various measures of central tendency and variation and their importance in business.
800	Bachelor Of Computer Application	202	Elements Of Statistics	3. Student understood the concept of probability, probability distributions
801	Bachelor Of Computer Application	203	C Programming	1. Student understood basic Language Skills are developed Students learned about all basics of programming language..
802	Bachelor Of Computer Application	204	File Structure & Database Concepts	1. Knowledge of the fundamentals of databases
803	Bachelor Of Computer Application	204	File Structure & Database Concepts	2. . Knowledge of using databases in day to day applications


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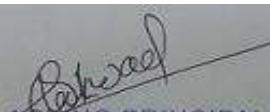
804	Bachelor Of Computer Application	205	Cost Accounting	1. Impart the Knowledge of Basic cost concepts, element of cost & Preparation of Cost Sheet.
805	Bachelor Of Computer Application	205	Cost Accounting	2. Provide basic Knowledge of important Methods & Techniques of costing.
806	Bachelor Of Computer Application	206	Computer Laboratory & Practical Work(C P+ DBMS)	1.Practical and actual working of constructing programs is done by students
807	Bachelor Of Computer Application	301	Numerical Methods	1. Understood and Master the concepts, techniques & applications of Numerical Methods, develop the skills of solving real life problems by using Computer Programming, Made students to Understood the art of applying Mathematical techniques to solve some real life problems, gained Knowledge of Numerical Computations
808	Bachelor Of Computer Application	302	Data Structure Using C	1. learned the systematic way of solving problems
809	Bachelor Of Computer Application	302	Data Structure Using C	2. Understood the different methods of organizing large amounts of data
810	Bachelor Of Computer Application	302	Data Structure Using C	3. Efficiently implement the different data structures by students
811	Bachelor Of Computer Application	302	Data Structure Using C	4. Efficiently implement solutions for specific problem Prerequisites by students
812	Bachelor Of Computer Application	303	Software Engineering	1.Enabledd students to Understood system concepts and its application in software development
813	Bachelor Of Computer Application	304	Management Accounting	1. Impart basic Knowledge of Management Accounting
814	Bachelor Of Computer Application	304	Management Accounting	2. Enabled the students to acquire sound Knowledge o f basic concepts of accounting
815	Bachelor Of Computer Application	305	RDBMS	1.This course provided an introduction to the relational model.
816	Bachelor Of Computer Application	305	RDBMS	2.Basic relational database design, conceptual data modeling practices, some relational database management system , operation and fundamental Structured Query Language (SQL).
817	Bachelor Of Computer Application	306	Computer Laboratory & Practical Work(DS+RDBMS)	1.Practical and actual work of constructing programs are done by students
818	Bachelor Of Computer Application	401	Networking	1. Know about computer networking
819	Bachelor Of Computer Application	401	Networking	2. Understood different topologies used in networking


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820	Bachelor Of Computer Application	401	Networking	3.Learned different types of network
821	Bachelor Of Computer Application	401	Networking	4.Understood use of connecting devices used in network
822	Bachelor Of Computer Application	402	Visual Basics	1.Understood the use of active controls and how to design VB applications
823	Bachelor Of Computer Application	402	Visual Basics	2.Learned connectivity between VB and databases
824	Bachelor Of Computer Application	402	Visual Basics	3.Students learnedt properties and events, mothod of controls and how to handle events of different controls.
825	Bachelor Of Computer Application	403	Inventory Management(SAD)	1.Skill programming
826	Bachelor Of Computer Application	404	Human Resource Management	1. Acquaint the students with the Human Resource Management its different functions in an organization and the Human Resource Processes that are concerned with planning, motivating and developing suitable employees for the benefit of the organization.
827	Bachelor Of Computer Application	404	Human Resource Management	2. Acquaint the students with the Human Resource Management its different functions in an organization.
828	Bachelor Of Computer Application	404	Human Resource Management	3. Motivated and developing suitable employees for the benefit of the organization.
829	Bachelor Of Computer Application	404	Human Resource Management	4. Acquaint Human Resource Processes that are concerned with planning,
830	Bachelor Of Computer Application	405	Object Oriented Programming Using C++	1.Aquired and Understanding basics of object oriented concepts and the issues involved in effective class design.
831	Bachelor Of Computer Application	405	Object Oriented Programming Using C++	2. Enabled students to write c++ programs that use object: oriented concepts such as information hiding constructors distructors, inheritance
832	Bachelor Of Computer Application	406	Computer Laboratory & Practical Work(VB+ C++)	1.Practical and actual working of constructing programs is done by students
833	Bachelor Of Computer Application	501	. NET Frameworks	1.VB.net programming skills of students are enhanced. Students learned about the ADO. Net connectivity, SQL server connectivity
834	Bachelor Of Computer Application	502	Internet Programming & Cyber Law	1.Brief Knowledge about the scripting languages like HTML and Javascript
835	Bachelor Of Computer Application	503	Principals Of Marketing	1.Articulate the essential function of business, but more especially the role of marketing activities fo r the firm.
836	Bachelor Of Computer Application	503	Principals Of Marketing	2.Demonstrate an Understanding, identify, and apply t he concept of the marketing mix: product, pricing, promotions and distribution tactics of the firm. consumer behavior


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837	Bachelor Of Computer Application	503	Principals Of Marketing	3.Applied the concept of marketing strategy to analyze a business case scenario and provide recommendations for the firm.
838	Bachelor Of Computer Application	504	Core Java	1.Designing and scripting done using applet
839	Bachelor Of Computer Application	505	Project Work(VB)	1.Detail Knowledge about SDLC, ERD, DFD, Feasibility study, Designing forms,Database connectivity is done by students
840	Bachelor Of Computer Application	506	Computer Laboratory And Practical Work(. NET +Core Java)	1.Practical and actual working of constructing programs is done by students
841	Bachelor Of Computer Application	601	E-Commerce	1.Know the concept of electronic commerce
842	Bachelor Of Computer Application	601	E-Commerce	2. Know what is Internet and Extranet
843	Bachelor Of Computer Application	601	E-Commerce	3.Know Internet marketing techniques
844	Bachelor Of Computer Application	602	Multimedia Systems	1. Know the concept of multimedia system
845	Bachelor Of Computer Application	602	Multimedia Systems	2.Know different software concept tools using multimedia
846	Bachelor Of Computer Application	602	Multimedia Systems	3.Know different file formats
847	Bachelor Of Computer Application	603	Introduction To SysPro & Operating Systems	1.Detail Knowledge about operating system concepts and problem solving is done by students
848	Bachelor Of Computer Application	604	Advanced Java	1.Application Development using Servlet & JSP programming done easily.
849	Bachelor Of Computer Application	605	Project Work (Banking& Finance ,Cost Analysis,Financial Analysis,Payroll,EDP,ERP etc.)	1.Project development Cycle clearly Understood by Students
850	Bachelor Of Computer Application	606	Computer Laboratory & Practical Work(Multimedia + Advanced Java)	1.Practical and actual working of constructing programs is done by students
851	B.Com Geography	1313	COMMERCIAL GEOGRAPHY	1. Understood THE CONCEPT OF AGRICULTURE TYPE
852	B.Com Geography	1313	COMMERCIAL GEOGRAPHY	2.Understood THE CONCEPT OF POPULATION
853	B.Com Geography	1313	COMMERCIAL GEOGRAPHY	3. Understood THE CONCEPT OF ENVIRONMENT
854	B.Com Geography	1313	COMMERCIAL GEOGRAPHY	4. Understood THE CONCEPT OF ENERGY
855	B.Com Geography	1313	COMMERCIAL GEOGRAPHY	5.Understood THE CONCEPT OF IMPORTANCE OF FOREST


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856	B.Com Geography	1243	Insurance and Transport	1. Understood concept Insurance
857	B.Com Geography	1243	Insurance and Transport	2. Understood the concept of life insurance
858	B.Com Geography	1243	Insurance and Transport	3. Understood of general Insurance


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Id	Program	CourseCode	CourseName	Courses outcomes
1	B.Com	112	Financial Accounting- I	1. To impart knowledge of basic accounting concepts 2. To create awareness about application of these concepts in business world 3. To impart skills regarding Computerised Accounting

2.6.1 :- All Program outcomes(PO)

Program No.	Program	Program outcomes	Subjects	Year
1	B.A.	1: Understand economics concepts and problems of economics, demand and supply law its variations.	B.A - Economics	2020-21
		2 Knowledge of population demographic theory, poverty and unemployment and its measures of eradication.	B.A - Economics	2020-21
		3 understanding price determinations under various market structures.	B.A - Economics	2020-21
		4: Understand factors of production determinants.	B.A - Economics	2020-21
		5 knowledge of national income accounting, inflation measures.	B.A - Economics	2020-21
		6 Understand present economic profile as an emerging economy.	B.A - Economics	2020-21
		7 knowledge of international financial institutions functioning, its achievement and current status.	B.A - Economics	2020-21
		8 Knowledge of theories of development and growth, macro economics policy its implantations.	B.A - Economics	2020-21
		1. Develop linguistic competence,	B.A.(English)	2020-21
		2 Knowledge of Various Genres of Literature	B.A.(English)	2020-21
		3. knowledge of Linguistics and Phonetics to enhance Communication Skills	B.A.(English)	2020-21
		4 Critical Analysis of literary Works	B.A.(English)	2020-21
		5.Develop writing skills in English	B.A.(English)	2020-21
		1. Enable students to gain knowledge for Courses of Travel and Tourism, Surveyor, Geo-informatics, MSW. , GPS,GIS & RS etc.	B.A.(Geography)	2020-21


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2. Students can gain knowledge and get success in UPSC and MPSC competitive exams.	B.A.(Geography)	2020-21
3.Students are enabled to conduct socio-economic Survey with appropriate Methods and explain it with GIS & RS.	B.A.(Geography)	2020-21
4. Students are able to read & explain Toposheets & IMD Weather Map.	B.A.(Geography)	2020-21
5. Develop competence to find causes, study the consequences and giving suggestions for Disaster Management and can actively participate where ever applicable.	B.A.(Geography)	2020-21
6. Gain knowledge and guide about different tourist places with geographical, Historical, Spiritual as well as aesthetic angle. tourist places.	B.A.(Geography)	2020-21
8. Students can understand & explain the situation of Physio-Socio-Economic aspects of India.	B.A.(Geography)	2020-21
9. Student can understand the Natural & Manmade Resources and its importance for life.	B.A.(Geography)	2020-21
10. Students can aware and Practice advanced and scientific agricultural methods in their Personal perspective.	B.A.(Geography)	2020-21
11. Understand the concept of trade, environment ,agriculture,population	B.A.(Geography)	2020-21
12. Students can Understand and explain about the Origin and landforms on the earth.	B.A.(Geography)	2020-21
1 Development of citizenship	B.A. (politics)	2020-21
2.Constitutional awareness	B.A. (politics)	2020-21
3. Develop ideological base	B.A. (politics)	2020-21


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		4. Develop International perspective	B.A. (politics)	2020-21
		1 Awareness of linguistic skills	B.A (Marathi)	2020-21
		2. Develop Literary Skills	B.A (Marathi)	2020-21
		3. Use of Marathi in Practical life as a language of communication	B.A (Marathi)	2020-21
		4. Exposure to different genres of Marathi Literature	B.A (Marathi)	2020-21
		5. Develop Critical abilities to understand the subtleties of language	B.A (Marathi)	2020-21
		6. Understand the scope and use of Marathi in Media, Newspapers and other Arts	B.A (Marathi)	2020-21
2	B.Com	1: Understand banks and its functions.	B. Com. (Banking & Economics)	2020-21
		2: Awareness about new technology implementation in banking sector.	B. Com. (Banking & Economics)	2020-21
		3: Gain knowledge about financial markets its functions, SBI role and controls.	B. Com. (Banking & Economics)	2020-21
		4: students understand money and capital market, foreign exchange markets its workings.	B. Com. (Banking & Economics)	2020-21
		5: Students get knowledge about financial investment intuition especially in India.	B. Com. (Banking & Economics)	2020-21
		6: Understand banking regulation Act provisions and new amendments.	B. Com. (Banking & Economics)	2020-21


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7: Students learn loan recovery methods of loan by bank.	B. Com. (Banking & Economics)	2020-21
8: Student get an idea about current scenario of Indian banking system.	B. Com. (Banking & Economics)	2020-21
9 : Student know the economic concepts, demand and supply variations, objectives of firms, demand forecasting, etc.	B. Com. (Banking & Economics)	2020-21
10: knowledge about cost and its effects on any firm, industry and trade.	B. Com. (Banking & Economics)	2020-21
11: Student learn price determinations under various market structures.	B. Com. (Banking & Economics)	2020-21
12: information on how factor of production determines	B. Com. (Banking & Economics)	2020-21
13: Student understand national income accounting, inflation measures.	B. Com. (Banking & Economics)	2020-21
14: Student get knowledge on today's profile as an emerging economy.	B. Com. (Banking & Economics)	2020-21
15: Student understand today's foreign trade and balance payment scenario.	B. Com. (Banking & Economics)	2020-21
16: Student understand international financial intuitions functioning, its achievement and current status.	B. Com. (Banking & Economics)	2020-21
1 : The Students are equipped with the knowledge of accountancy after completing their graduation.	B.COM(commerce)	2020-21
2:Competence of the knowledge of income tax and other such laws related to business trade and commerce	B.COM(commerce)	2020-21
3: Knowledge of the market position and modern communication skills for success in the business.	B.COM(commerce)	2020-21
4: Analysis by using mathematical and statistical tools, to undertake research in trade and commerce.	B.COM(commerce)	2020-21


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		5: Knowledge of various managerial aspects.	B.COM(commerce)	2020-21
		6: To enhance communicative skills	B.COM(commerce)	2020-21
		7: Development of business skills and entrepreneurship	B.COM(commerce)	2020-21
		8: Knowledge of banking rules regulation laws and practices.	B.COM(commerce)	2020-21
		9 : Understanding of the Theory and Practice of Economics and knowledge of the consequences of Economical changes.	B.COM(commerce)	2020-21
		10- Achieve professional success through communication skills	B.COM(commerce)	2020-21
3	B.Sc. (Comp.)	1.Theoretical and Practical skills of Computer Science	B.C.S.	2020-21
		2. Ability to apply knowledge of computing and mathematics appropriately	B.C.S.	2020-21
		3. Competence to identify formulate and develop solutions to computational challenges.	B.C.S.	2020-21
		4. Ability to design implement and evaluate computational system to meet desired results	B.C.S.	2020-21
		5. Ability to use appropriate technology skills and tools necessary for computing practice	B.C.S.	2020-21
		6.Application of knowledge of computing and statistics appropriately	B.C.S.	2020-21
4	B.C.A.	1.Impart knowledge required for planning, designing and building Complex Application Software Systems	B.C.A.	2020-21
		2.Provide sound academic base from which an advanced career in Computer Applications can be developed.	B.C.A.	2020-21
		3.Develop practical skills to address problems in computer systems and applications.	B.C.A.	2020-21


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		4. Produce knowledgeable and skilled human resources which is employable in IT	B.C.A.	2020-21
		5. Develop practical skills to address problems in computer systems and applications.	B.C.A.	2020-21
		6. Teaches professional competence in developing software and in its design and implementation.	B.C.A.	2020-21
		7. Provide basic statistical knowledge required for computer applications	B.C.A.	2020-21
		8. Provide sound academic base from which an advanced career in Computer Applications can be developed	BBA[CA]	2020-21
		9. Conceptual grounding in computer usage as well as its practical business application will be provided making candidates suitable for IT sector entry level jobs	BBA[CA]	2020-21
		10. Develop students to become globally competent.	BBA[CA]	2020-21
		11. Provides practical skills to address problems in computer systems and applications.	BBA[CA]	2020-21
		12. Provide basic statistical knowledge required for computer applications	BBA[CA]	2020-21
5	B.Sc. (Micro)	1. The aim is to provide students with a solid foundation in the physiology, genetics, biochemistry, medical microbiology and agricultural microbiology of bacteria and viruses and an	B.Sc.(Microbiology)	2020-21
		2. The programme has a strong practical emphasis, providing students with the basic laboratory skills required for a career in either applied or research microbiology	B.Sc.(Microbiology)	2020-21
		3. Deepens the student's understanding of how viruses and bacteria survive, multiply, interact with their environment and cause disease through core studies on their structure,	B.Sc.(Microbiology)	2020-21
		4. To provide the appropriate environment to encourage the development of the students interest in general microbiology and to help them acquire appropriate	B.Sc.(Microbiology)	2020-21
		Develop advanced practical skills relevant to microbiology	B.Sc.(Microbiology)	2020-21


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		6. An understanding of laboratory based investigations in microbiology applicable to studying microbial involvement in health, and disease	B.Sc.(Microbiology)	2020-21
		7. To increase the employability of students in various industries like food industry, pharmaceutical and agriculture based industry.	B.Sc.(Microbiology)	2020-21
		8. To increase the knowledge regarding morphological & anatomical structure of plants	B.Sc.(Microbiology)	2020-21
		9. To increase the knowledge of classification system of plants according to various scientists	B.Sc.(Microbiology)	2020-21
		develop the practical skills relevant to botany	B.Sc.(Microbiology)	2020-21
6	M.Com.	1 :Knowledge of the advances in accountancy especially in the area of corporate and service sector.	M.COM(commerce)	2020-21
		2: To make the students acquainted with the various managerial concepts including strategic management useful for success in business.	M.COM(commerce)	2020-21
		3. Knowledge of the research methodology in order to conduct in depth study of the subjects related to trade, commerce and Industry.	M.COM(commerce)	2020-21
		4.Exposure to current problems in business environment. So cyber law study and human rights are included as part of curriculum.	M.COM(commerce)	2020-21
		5. application of the current knowledge related to income tax including excise duty, service tax, GST and vat	M.COM(commerce)	2020-21
		6. Knowledge of the capital market	M.COM(commerce)	2020-21
		7. Ability to verify the methods of raising the finance its adverse and favourable effects.	M.COM(commerce)	2020-21


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7	M.Sc. (Micro)	1. Provide students with sufficiently detailed information about the modern technologies used in diagnostics and research to enable them to apply these to complex problem solving in the investigation of disease	M.Sc.(Microbiology)	2020-21
		2. Develop advanced practical skills relevant to microbiology, Interpret quantitative and qualitative data. Learn independently take responsibility for planning and organization of work both their own and in a team	M.Sc.(Microbiology)	2020-21
		3. To communicate ideas, principles and theories effectively by oral, written and visual means	M.Sc.(Microbiology)	2020-21
		4. Apply basic statistical and numerical skills to microbiological data. Use Information Technology e.g. Internet, Virtual Learning Resources, word processors and	M.Sc.(Microbiology)	2020-21
		5. Work effectively and independently on a given project or task. Work effectively in small groups and teams towards a common Goal/outcome	M.Sc.(Microbiology)	2020-21
		6. Students will acquire a number of transferable skills, including: design and execution of experiments (including working in a team); accessing information; interpretation of	M.Sc.(Microbiology)	2020-21
		7. The final year aims to bring the student's understanding to the forefront of selected areas of microbial research, through lectures, directed studies and presentations as well as a lab-	M.Sc.(Microbiology)	2020-21
		8. Increase the confidence level of students and make them a socially responsible person	M.Sc.(Microbiology)	2020-21
		9. Get knowledge of fermentation process, design of bioreactor & its working	M.Sc.(Microbiology)	2020-21
		10. Get knowledge of species & species evolution	M.Sc.(Microbiology)	2020-21
		11. Study how to cultivate unculturable using various molecular methods & bioinformatics	M.Sc.(Microbiology)	2020-21


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		12. Get knowlege of gene sequencing	M.Sc.(Microbiolo gy)	2020-21
		13. Study various statistical methods under quantitative biology	M.Sc.(Microbiolo gy)	2020-21
		14. Study cell organization & biochemistry	M.Sc.(Microbiolo gy)	2020-21
		15. Get knowledge of instumentation & molecular physics	M.Sc.(Microbiolo gy)	2020-21
		16.Study microbial metabolism & bioenergetics	M.Sc.(Microbiolo gy)	2020-21
		17. Get practical knowledge of enzymology & microbial metabolism	M.Sc.(Microbiolo gy)	2020-21
		18. Get knowledge of pharmaceutical & medical microbiology	M.Sc.(Microbiolo gy)	2020-21
		19. Get knowlege of molecular biology	M.Sc.(Microbiolo gy)	2020-21
		20. Get knowlege of microbial technology	M.Sc.(Microbiolo gy)	2020-21


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2.6.1 :- Courses outcomes for All Courses

Id	Program	Sem	CourseCode	CourseName	Courses outcomes
1	B.Com	Semester –I	111	Compulsary English-I	1.Students got good pieces of prose and poetry so that they realize the beauty and communicative power of English.
2	B.Com	Semester –I	111	Compulsary English-I	2.Students got an exposure to native, cultural experiences and situations so that they Understood the importance and utility of English language.
3	B.Com	Semester –I	112	Financial Accounting- I	1. To impart knowledge of basic accounting concepts
4	B.Com	Semester –I	112	Financial Accounting- I	2. To create awareness about application of these concepts in business world
5	B.Com	Semester –I	113	Business Economics (Micro) - I	1. To impart knowledge of business economics
6	B.Com	Semester –I	113	Business Economics (Micro) - I	2. To understand basic theories, concepts of micro economics and their application
7	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	1. To familiar the students with applications of Statistics and Mathematics in Business


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8	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	2. The main outcome of this course is that the students are able to analyze the data by using some elementary statistical methods
9	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	1. To provide knowledge of fundamentals of Banking
10	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	2. To create awareness about various banking concepts
11	B.Com	Semester –I	116 - B	Insurance and Transport- I	To acquaint students with the concepts of Insurance
12	B.Com	Semester –I	116 - B	Insurance and Transport- I	2. To create awareness regarding basic knowledge about Life Insurance, Fire Insurance and Marine Insurance.
13	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	1. To understand the concept of Business Environment and its aspects
14	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	2. To examine personality competencies most common to majority of successful entrepreneurs and to show how these competencies can be developed or acquired
15	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	3. To generate entrepreneurial inspiration through the study of successful Entrepreneurs
16	B.Com	Semester –I	115-C	Commercial Geography	1.Students Understood the scope and content of commercial geography in relation to spatial distribution of agriculture, forest resources and industrial production


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17	B.Com	Semester –I	115-C	Commercial Geography	2. Acquainted the students about dynamic aspects of commercial geography.
18	B.Com	Semester –I	117-A	Additional English	1. Developed confidence to speak fluent English.
19	B.Com	Semester –I	117-A	Additional English	2.Developed the ability among students to use English language.
20	B.Com	Semester –II	121	Compulsary English-II	3.Students got an overall linguistic competence and communicative skills.
21	B.Com	Semester –II	121	Compulsary English-II	4.Students are developed in oral and written communicative skills, so that their employability enhances and English becomes the medium of their livelihood and personality.
22	B.Com	Semester –II	122	Financial Accounting- II	1. To impart knowledge of various software used in accounting
23	B.Com	Semester –II	122	Financial Accounting- II	2. To impart knowledge about final accounts of charitable trusts
24	B.Com	Semester –II	123	Business Economics (Micro) - II	1. To understand the basic concepts of micro economics.
25	B.Com	Semester –II	123	Business Economics (Micro) - II	2. To understand the tools and theories of economics for solving the problem of decision making by consumers and producers.
26	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	1. To introduce the basic concepts in Finance and Business Mathematics and Statistics
27	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	2. To learn some elementary statistical methods for analysis of data
28	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	1. To develop the working capability of students in banking sector
29	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	2. To Make the Students aware of Banking Business and practices
30	B.Com	Semester –II	126 (B)	Insurance and Transport- II	1. To acquaint students with the concepts of transport.
31	B.Com	Semester –II	126 (B)	Insurance and Transport- II	2. To create awareness regarding basic knowledge about transportation system in India.


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32	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	1. To understand Nature - Comparison between entrepreneurial and non-entrepreneurial,
33	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	2. To understand Role of Entrepreneurship in economy
34	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	3. Students are motivated to prepare their mind set for taking up entrepreneurship as career.
35	B.Com	Semester –II	125-C	Commercial Geography-II	3.Knowledge about dynamic nature and industrial field
36	B.Com	Semester –II	125-C	Commercial Geography-II	4. Awareness about the relationship between the geographical factors and economic activities
37	B.Com	Semester –II	127-A	Additional English-II	1.Developed the ability among students to use English language.
38	B.Com	Semester –II	127-A	Additional English-II	2.Initiated students into the Joy of Reading literary texts.
39	B.Com	Semester –III	231	Business Communication-I	1. To understand the concept, process and importance of communication.
40	B.Com	Semester –III	231	Business Communication-I	2. To develop business communication skills through the application and exercises.
41	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	1.Awareness about the conceptual aspect of corporate accounting.
42	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	2. To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013
43	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	1. Exposure to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
44	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	2. Stimulated the students interest by showing the relevance and use of various economic theories.
45	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	1. To provide basic knowledge and understanding about various concepts of Business Management.
46	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	2.Understood the various functions of management
47	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	1.Imparted with the knowledge of fundamentals of Company Law.
48	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	2. Updated the knowledge of provisions of the Companies Act of 2013.
49	B.Com	Semester –III	236(B)	Banking and Finance-I	1.To provide the knowledge about Indian Banking System.


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50	B.Com	Semester –III	236(B)	Banking and Finance-I	2.To create the awareness about the role of banking in economic development.
51	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	To prepare learners to know and understand the basic concepts of cost.
52	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	3. To enable students to prepare a cost sheet.
53	B.Com	Semester –IV	241	Business Communication-II	1.To acquire and develop good communication skills requisite for <u>business correspondence</u> .
54	B.Com	Semester –IV	241	Business Communication-II	2. To develop business communication skills through the <u>application and exercises</u>
55	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	1. To acquaint the student with knowledge of corporate policies of investment for expansion and growth through purchase of <u>stake in or absorption of smaller units</u> .
56	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	2. To introduce the students with the recent trends in the field of <u>accountancy</u>
57	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	1. Exposure to basic Micro Economic concepts and inculcate an <u>analytical approach to the subject matter</u> .
58	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	2. Stimulated the students interest by showing the relevance and use of various economic theories.
59	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	1To provide the knowledge about <u>Motivating the staff</u>
60	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	2. To provide the knowledge about <u>Emerging trends in Business management</u>
61	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW-II	1. To develop general awareness among the students about <u>management of company</u>
62	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW-II	2. To have a comprehensive understanding about Key managerial Personnel of company and their role in Company administration.
63	B.Com	Semester –IV	246(B)	Banking and Finance-II	1.To provide the knowledge of <u>Cooperative Banking in India</u>
64	B.Com	Semester –IV	246(B)	Banking and Finance-II	2.To analyze the functioning of <u>Development Banking</u>
65	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	To know the documents that are used in stores and how to <u>calculate the issuing price of material</u> .
66	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	To understand recent trends in <u>cost accounting</u> .
67	B.Com	Semester –V	351	Business Regulatory Framework	1. To provide conceptual knowledge about the framework of <u>business Law in India</u> .


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68	B.Com	Semester –V	351	Business Regulatory Framework	2. To create awareness among the students about legal environment relating to the Contract Law, Partnership Act, Sale of Goods Act in India.
69	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	1. To acquaint the student with knowledge about various concepts, objectives, and applicability of some important accounting standards.
70	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	2. To update the students with knowledge for preparation of final accounts of a Banking Companies with the provisions of Banking Regulation Act 1949.
71	B.Com	Semester –V	353	Indian & Global Economic Development	1.To develop ability to analyze economic development process of India.
72	B.Com	Semester –V	353	Indian & Global Economic Development	2. To impart knowledge about the relevance of economic practices in modern competitive world.
73	B.Com	Semester –V	354	Auditing	1. To acquaint themselves about the Definition, Nature, Objectives and Advantages of Auditing, Types of Audit, Errors and Fraud, Audit Program, Notebook, Working Paper, Internal Control, Check.
74	B.Com	Semester –V	354	Auditing	2. To get knowledge about concept of Checking, Vouching, Verification and Valuation, Types of Audit Report and Auditing Assurance Standard.
75	B.Com	Semester –V	355-B	Banking and Finance-Special Paper II	1. To acquaint the students with Indian Financial System and its various segments.
76	B.Com	Semester –V	355-B	Banking and Finance-Special Pa	2. To make the students aware about Indian Money Market.
77	B.Com	Semester –V	355 – e	Cost and Works Accounting. Special Paper II	2. To Introduce the cost accounting standards and the cost accounting standard board.
78	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	To familiarize the Banking Laws and Practice in correlation to the Banking System in India.


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79	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	2. To understand the legal aspects of Banking transactions and its implication as a Banker and as a customer.
80	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	1. To prepare learners to understand the basic techniques in Cost Accounting
81	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	2. To understand the learner, application of Cost Accounting techniques in cost control and decision making.
82	B.Com	Semester –VI	361	Business Regulatory Framework	1. To develop general awareness of Business Law among the students.
83	B.Com	Semester –VI	361	Business Regulatory Framework	2. To understand the various statutes containing regulatory mechanism of business and its relevant provisions including different types of partnerships
84	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	1. To acquaint the student with knowledge about the legal provisions regarding preparation and presentation of final accounts of Co-operative Societies.
85	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	2. To understand the procedure and methods of analysis of financial statements.
86	B.Com	Semester –VI	363	Indian & Global Economic Deve	1. To develop ability of students to analyze economic development process of India.
87	B.Com	Semester –VI	363	Indian & Global Economic Deve	2. To acquaint the students with the knowledge of recent trends in Human Development Index.
88	B.Com	Semester –VI	364	Auditing & Taxation - II	1. To understand the basic concepts of Income Tax Act, 1961 and create awareness of direct taxation among the students.
89	B.Com	Semester –VI	364	Auditing & Taxation - II	2. To understand the income tax rules and regulations and its provisions.


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90	B.Com	Semester –VI	365-B	Banking & Finance-Special Paper II	1 .To familiarize students about various basic concepts of stock market.
91	B.Com	Semester –VI	365-B	Banking & Finance-Special Paper II	2 .To analyse the types and process of stock trading.
92	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	1. To provide knowledge about the various methods of costing.
93	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	2. To understand the applications of different methods of costing in manufacturing and service industries.
94	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	1. To familiarize students about concept and types cybercrimes in banking
95	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	2. To understand the aspects of paying and collecting banker.
96	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	1. To impart knowledge about Standard Costing and Variance Analysis
97	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	2. To learn about pricing policy and its implementation.
98	B.A.(Geography)	Semester –I	11201	Physical Geography	1. To introduced the concept of physical geography
99	B.A.(Geography)	Semester –I	11201	Physical Geography	2. To understand basic concept of physical geography
100	B.A. Politics	Semester –I	11161	Politics G1	1.Study in detail the political structure both Constitutional and Administrative.
101	B.A Economics	Semester –I	11151	G-1 Indian Economic Environment	1.To provide the students with the background of the Indian Economy with focus on contemporary issues like economic environment.
102		Semester –I	11151	G-1 Indian Economic Environment	2.Ability to develop an understanding of the economic environment and the factors affecting economic environment.


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103	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	1. Create, interest, about Literature.
104	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	2.Aware the students about Marathi Literature, Marathi Language and Marathi Culture.
105	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	3.Developed the sense of awareness about literature amongst student
106	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	1. Developed grammatical skills and accuracy
107	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	2. Developed writing skills and comprehension of literature
108	B.A. ENGLISH	Semester –I	11331	Optional English G1	1. Students are exposed to the basics of literature and language
109	B.A. ENGLISH	Semester –I	11331	Optional English G1	2. Students are familiarized with different types of literature in English, the literary devices and terms so that they Understood the literary merit, beauty and creative use of language
110	B.A.(Geography)	Semester –II	12201	Human Geography	1. To introduced the concept of Human geography
111	B.A.(Geography)	Semester –II	12201	Human Geography	2. To understand basic concept of Human geography
112	B.A. Politics	Semester –II	12161	Politics G1	1. To familiarize students with the working of the Constitution of India. Study the political processes and the actual functioning of the political system .
113	Marathi	Semester –II		Modern Indian language Marathi	1-प्रगत भाषिक कौशल्य यांची क्षमता विकसित करणे
114	B.A Economics	Semester –II	11152	G-1 Indian Economic Environm	1.To familiarize the students with the recent developments in the Indian Economy
115	B.A Economics	Semester –II	11152	G-1 Indian Economic Environm	2.Ability to compare and contrast Indian Economy with other world economies.
116	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	1. Developed vision of literature amongst student
117	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	2.Attended various trends and type of Marathi Literature.
118	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	3.Developed the capacity of linguistic competence in order to confront the wor global comptition


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119	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	1.Students are familiarized with excellent pieces of prose and poetry in English so that they realize the beauty and <u>communicative power of English</u>
120	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	2. Students are exposed to native cultural experiences and situations in order to develop human values and social awareness
121	B.A. ENGLISH	Semester –II	12331	Optional English G1	1. Students are made aware of the basic units of language so that they become aware of the technical aspects and their practical <u>usage</u>
122	B.A. ENGLISH	Semester –II	12331	Optional English G1	2 .Students are prepared to go for detailed study and <u>Understanding of literature and language</u>
123	B.A.(Geogra phy)	Semester –III	23202	Population Geography-I (S1)	1. To understand the history of population
124	B.A.(Geogra phy)	Semester –III	23202	Population Geography-I(S-I)	2. To introduction of the basic concepts in population <u>geography</u>
125	B.A.(Geogra phy)	Semester –III	23203	Practical Geography-I(Scale &	1. To Enable students to use various scales and Projection <u>techniques in Geography</u>
126	B.A.(Geogra phy)	Semester –III	23203	Practical Geography-I(Scale &	2. To Explain the elementary and essential Principles of <u>Practical work in geography</u>
127	B.A.(Geogra phy)	Semester –III	2304	Environmental Geography-I (G	1. To create the awarness about dynamic environment <u>among the student</u>
128	B.A.(Geogra phy)	Semester –III	2304	Environmental Geography-I (G	2. To acquaint the student with fundamental concepts of <u>environment Geography for development in different areas.</u>
129	B.A.(Geogra phy)	Semester –III	23207	Applied Course of Disaster Mar	1. To inculcate critical thinking and Problem- solving <u>abilities on disaster management</u>
130	B.A.(Geogra phy)	Semester –III	23207	Applied Course of Disaster Mar	2. To Enable students to assess the situation and design <u>plan for disaster management</u>
131	B.A. Politics	Semester –III	23164	Politics G2	1. Study the concepts, ideas and theories in political theory. Role <u>of different political ideologies and their impact in politics.</u>


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132	B.A. Politics	Semester –III	23162	Politics Special II	Complex relationship between the communication, media and power politics.
133	B.A. Politics	Semester –III	23165	Politics Special SEC	1. To acquaint students with the important features of the Constitution of India and with the basic framework of Indian Government.
134	Economics	Semester –III	23153	G -2. Financial System-I	1.To understand the recent trends and developments in banking system.
135	Economics	Semester –III	23153	G -2. Financial System -I	2.To understand fundamentals of modern financial system.
136	B.A Economics	Semester –III	23151	S -1. Micro Economics -I	1.To develop an understanding about subject matter of Economics.
137	B.A Economics	Semester –III	23151	S -1. Micro Economics-I	2.To impart knowledge of Micro economics.
138	B.A Economics	Semester –III	23152	S -2. Macro Economics -I	1.To introduce students to the historical background of the emergence of Macro Economics
139	B.A Economics	Semester –III	23152	S -2. Macro Economics-I	2.To familiarize students with various concepts of national income
140	B.A Economics	Semester –III	23154	SEC Basic Concept of Research Methodology -I	1.To develop the understanding of the basic concept of research
141	B.A Economics	Semester –III	23154	SEC Basic Concept of Research Methodology -I	2.To identify various sources of information for data collection
142	B.A. Politics	Semester –III	23161	Politics Special I	Major traditions of thought that have shaped political discourse in different parts of the world. The great diversity of social contexts and philosophical visions.
143	B.A. Marathi	Semester –III	23021	Marathi Special Paper I	1. Made student aware of the historical tradition of Marathi Literature.
144	B.A. Marathi	Semester –III	23021	Marathi Special Paper I	1. Made student aware of Literature on the account of its background and inspiration behind literature and to give knowledge about it's nature
145	B.A. Marathi	Semester –III	23022	Marathi Special Paper II	1. Explore the process of development of the types of literature.
146	B.A. Marathi	Semester –III	23023	S.Y.B.A Marathi General II	1.Introduced the student of the rules and regulations of the 'Shuddhalekhan'.
147	B.A. Marathi	Semester –III	23023	S.Y.B.A Marathi General II	2. Introduced the student of the rules and regulations of the 'Shuddhalekhan'


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148	B.A. Marathi	Semester –III	23025	Marathi SEC2A	
149	B.A. ENGLISH	Semester –III	23001	Compulsory English S.Y.	1.Developed competence among the students for self-learning
150	B.A. ENGLISH	Semester –III	23001	Compulsory English S.Y.	2. Familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
151	B.A. ENGLISH	Semester –III	23333	Optional English G2	1. Students are exposed to the basics of short story as one of the literary forms
152	B.A. ENGLISH	Semester –III	23333	Optional English G2	2. Students are familiarized with different types of short stories in English
153	B.A. ENGLISH	Semester –III	23331	English Special I	1. Students are encouraged to Made a detailed study o f a few sample masterpieces of English Drama from different parts of the world
154	B.A. ENGLISH	Semester –III	23331	English Special I	2. Interest is developed among the students to appreciate and analyze drama independently
155	B.A. ENGLISH	Semester –III	23332	English Special II	1.The students are familiarized with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)
156	B.A. ENGLISH	Semester –III	23332	English Special II	2. Students are encouraged to Made a detailed study of a few sample masterpieces of English poetry
157	B.A. ENGLISH	Semester –III	23334	English SEC 2A	1. Enhancing the skill of using english for everyday communication
158	B.A. ENGLISH	Semester –III	23334	English SEC 2A	2. To acquaint the students with the verbal and non-verbal communication
159	B.A.(Geogra phy)	Semester –IV	24202	Population Geography-II (S1)	1. To introduce student to the Population policy of India and China
160	B.A.(Geogra phy)	Semester –IV	24202	Population Geography-II(S-I)	2. To understand the Health indicator in India
161	B.A.(Geogra phy)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	1. To introduce the Student to the basic and contemporary concept in geography


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162	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	2. To introduced the latest concept regarding the modern cartography in the field of geography
163	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	1.. To acquaint the about the past , present and future utility and potentials of natural resources
164	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	2. To make aware student about the problem of environment its utilization and conservation in the view of sustainable development
165	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	1. To develop basic framework to understand the various elements of tourism management
166	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	2. To evaluate the roll of transport in Travel and Tourism industry
167	B.A.(Geography)	Semester –IV	352201	Geography of india -I(S3)	1. To help the students to understand the inter relationship between the subject and the Society
168	B.A. Politics	Semester –IV	24164	Politics G2	2. Explained the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically.
169	B.A. Politics	Semester –IV	24162	Politics Special II	Critical appraisal of practices of political image management, campaigns, propaganda and censorship.
170	B.A. Politics	Semester –IV	24165	Politics Special SEC	1. This paper focuses in detail on the political processes and the actual functioning of the political system. It emphasizes on local influences that derive from social stratification of jatis, from language, religion, ethic and economic determinants and critically assesses its the political processes.
171	B.A Economics	Semester –IV	23153	G -2. Financial System-II	1.To provide the students the intricacies of Indian financial system for better financial decision making.
172	B.A Economics	Semester –IV	23153	G -2. Financial System -II	2.To provide the knowledge of various financial and non-financial institutions.
173	B.A Economics	Semester –IV	23151	S -1. Micro Economics -II	1.To help the students to prepare for varied competitive examinations


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174	B.A Economics	Semester –IV	23151	S -1. Micro Economics-II	2.To develop an understanding of basic theories of micro economics and their application
175	B.A Economics	Semester –IV	23152	S -2. Macro Economics -II	1.To introduce students to the various instruments of monetary and fiscal policies
176	B.A Economics	Semester –IV	23152	S -2. Macro Economics-II	2.To introduce students to the role of monetary and fiscal policies in fulfilling the macroeconomic objectives of stability, full employment and growth.
177	B.A Economics	Semester –IV	23154	SEC Basic Concept of Research Methodology -II	1.To identify various sources of information for data collection
178	B.A Economics	Semester –IV	23154	SEC Basic Concept of Research Methodology -II	2.To develop the understanding of the conducting survey on various issues.
179	B.A. Politics	Semester –IV	24161	Politics Special I	1.The history of political thought as a series of critical, interconnected and open-ended conversations about the ends and means of the good life.
180	B.A. Marathi	Semester –IV	24021	Marathi Special Paper I	2. Made student aware of Literature on the account of its background and inspiration behind literature and to give knowledge about it's nature
181	B.A. Marathi	Semester –IV	24022	Marathi Special Paper II	1. Understood the scope of literature.
182	B.A. Marathi	Semester –IV	24023	S.Y.B.A General II	3. Explained scope of modern Marathi Literature.
183	B.A. Marathi	Semester –IV	24023	S.Y.B.A General II	4.Discussed about story, novel, Auto-biography and biography.
184	B.A. ENGLISH	Semester –IV	24001	Compulsory English S.Y.	1. Developed students' interest in reading literary pieces
185	B.A. ENGLISH	Semester –IV	24001	Compulsory English S.Y.	2. Exposed them to native cultural experiences and situations in order to develop human values and social awareness
186	B.A. ENGLISH	Semester –IV	24333	Optional English G2	1. Students are Enabledd to Understood the literary merit, beauty and creative use of language


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187	B.A. ENGLISH	Semester –IV	24333	Optional English G2	2. Students acquired knowledge of some advanced units of language so that they become aware of the technical aspects and their practical usage
188	B.A. ENGLISH	Semester –IV	24331	English Special I	3. Students awareness is enhanced in the aesthetics of Drama and to empower them to evaluate drama independently
189	B.A. ENGLISH	Semester –IV	24331	English Special I	4. Students are acquainted and familiarized the students with the terminology in drama criticism (i.e.the term used in Critical Analysis and Appreciation of drama)
190	B.A. ENGLISH	Semester –IV	24332	English Special II	3.Students' awareness enhanced in the aesthetics of poetry
191	B.A. ENGLISH	Semester –IV	24332	English Special II	4. Students are empowered to read and appreciate poetry as a form of literature
192	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	1. to develop interest among the students to interact in English
193	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	2. to create opportunities to access exposure of speaking in various contexts.
194	B.A.(Geogra phy)	Semester –V	352201	Geography of india -I(S3)	2. To help the students to understand the recent trends in regional Studied
195	B.A.(Geogra phy)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis (S4)	1. To introduced the students with SOI toposheets and acquire the knowledge of toposheet interpretation
196	B.A.(Geogra phy)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis (S4)	2. To introduce the students with weather maps and acquire the knowledge of its interpretation
197	B.A.(Geogra phy)	Semester –V	35205	Geography of Turism -I G-3	1. To understand the types of tourism
198	B.A.(Geogra phy)	Semester –V	35205	Geography of Turism -I G-3	2. To gain knowledge different aspects of tourism geography
199	B.A.(Geogra phy)	Semester –V	35206	Reaserch Methodology -I (SEC)	1. To develop the understanding of the basic framework of sampling and data collection


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200	B.A.(Geography)	Semester –V	35206	Research Methodology -I (SEC)	2. To develop the understanding of various sampling methods and techniques
201	B.A. Politics	Semester –V	35162	Politics Special IV	1. This paper deals with concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences with in the different theoretical paradigms. Approaches to the Study of International Relations
202	B.A. Politics	Semester –V	35162	Politics Special IV	2. Study the Changing Nature of the National Power . The dominant theories of power and the question of equity and justice, the different aspects of balance of power leading to the present situation of a unipolar world are included.
203	B.A Economics	Semester –V	35153	G3 Indian Economic Development	1.To explain the characteristics of Developing and Developed Countries
204	B.A Economics	Semester –V	35153	G3 Indian Economic Development	2.To relate and recognize the concept and indicators of Economic Development.
205	B.A Economics	Semester –V	35151	S3 International Economics-I	1.To relate and recall the concepts of International Economics and International Trade.
206	B.A Economics	Semester –V	35151	S3 International Economics-I	2.To describe and apply the theories of international trade.
207	B.A Economics	Semester –V	35152	S4 Public Finance -I	1.To make students to analyze the role of Public Finance in Economic Development.
208	B.A Economics	Semester –V	35152	S4 Public Finance -I	2. To know the sources of Revenue, Expenditure and Debt of Govt. of India.
209	B.A Economics	Semester –V	35154	SEC Business Management-I	1.To develop Management of Business.
210	B.A Economics	Semester –V	35154	SEC Business Management-I	2.Leadership Skills- Ability to work in teams at the same time, ability to show leadership qualities


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211	B.A. Politics	Semester –V	35163	Politics G3	This course will introduce the overall scope of the sub-discipline of Modern Political Analysis. The focus of the course will be on the Modern Political Analysis of Power. The emphasis is on the nature of power in modern societies. More in the form of organizations an social formations than as individual power.
212	B.A. Politics	Semester –V	35161	Politics Special III	This paper is an introductory course in Public Administration. The essence of Public Administration lies in its effectiveness in translating the governing philosophy into programmes, policies and activities and making it a part of community living.
213	B.A. Politics	Semester –V	35162	Politics Special IV	1. This paper deals with concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences with in the different theoretical paradigms. Approaches to the Study of International Relations
214	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	3. Understood the process of origin Literature.
215	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	4. Understood the language of literature.
216	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	1. Informed the students language and its scope and nature.
217	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	2. Understood various angles of study of Marathi Language.
218	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	1.Discussed about story, novel, Auto-biography and biography.
219	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	2.Explained importance of auto-biography and biography.
220	B.A. Marathi	Semester –V	35025	Marathi SEC2C (2)	
221	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	1. Introduced students to the best uses of language in literature.
222	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	2. Familiarized students with the communicative power of English


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223	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	3. Enabled students to become competent users of English in real life situations
224	B.A. ENGLISH	Semester –V	35333	Optional English G3	1. students are made see how Indian English poetry expresses the ethos and culture of India
225	B.A. ENGLISH	Semester –V	35333	Optional English G3	2. Student Understood creative uses of language in Indian English Poetry
226	B.A. ENGLISH	Semester –V	35333	Optional English G3	3. Introduced students to some advanced areas of language study
227	B.A. ENGLISH	Semester –V	35331	English Special III	1. students familiarized to the basics of novel as a literary form
228	B.A. ENGLISH	Semester –V	35331	English Special III	2. students are exposed to the historical development and nature of novel
229	B.A. ENGLISH	Semester –V	35331	English Special III	3. students are made aware of different types and aspects of novel
230	B.A. ENGLISH	Semester –V	35332	English Special IV	1. students made aware of selected approaches to literature
231	B.A. ENGLISH	Semester –V	35332	English Special IV	2. students are familiarized to the basics of literary criticism
232	B.A. ENGLISH	Semester –V	35332	English Special IV	3. students are made aware of the nature and historical development of criticism
233	B.A. ENGLISH	Semester –V	35334	English SEC 2C	1. to develop overall personality of the students.
234	B.A. ENGLISH	Semester –V	35334	English SEC 2C	2. to equip the students with social skills.
235	B.A.(Geogra phy)	Semester –VI	36201	Geography of india -II(S3)	1. To acquaint the student with geography of our nation
236	B.A.(Geogra phy)	Semester –VI	36201	Geography of india -II(S3)	2. To make the student aware of the magnitude of problems and prospectus at national Level
237	B.A.(Geogra phy)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursi./ Villegge/ Project Report (S4)	1. To understand the concept Geographical data and its basic analysis for students


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238	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursi./ Village/ Project Report (S4)	2. To understand the concept of testing and application of hypothesis
239	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	1. To understand the history of Tourism
240	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	2. To introduced the students to the basic concepts in tourism geography
241	B.A.(Geography)	Semester –VI	36206	Reaserch Methodology -II (SEC)	1. To identify various Sources of information for data Collection
242	B.A.(Geography)	Semester –VI	36206	Reaserch Methodology -II (SEC)	2. Understanding of the Conducting survey on various issues and develop the report writing skill of student
243	B.A Economics	Semester –VI	35153	G3 Indian Economic Development	1.To describe and explain the process of Economic Planning
244	B.A Economics	Semester –VI	35153	G3 Indian Economic Development	2.To describe and explain the relation between Economic Development and Environment.
245	B.A Economics	Semester –VI	35151	S3 International Economics-II	1.Ability to relate and explain the concept of Exchange Rate and Foreign Exchange Market.
246	B.A Economics	Semester –VI	35151	S3 International Economics-I	2.Ability to describe the trends in Growth, Composition and Direction of India's Foreign Trade.
247	B.A Economics	Semester –VI	35152	S4 Public Finance -II	1.To describe and analyze the concept of Deficit Financing and its effects.
248	B.A Economics	Semester –VI	35152	S4 Public Finance -II	2.To explain and assess the components and instruments of Fiscal Policy
249	B.A Economics	Semester –VI	35154	SEC Business Management-II	1.Analytical Skills – Ability to analyze data collected and interpret in the most logical manner
250	B.A Economics	Semester –VI	35154	SEC Business Management-II	2.Project Report Writing Skills- Ability to comprehend and illustrate/demonstrate findings


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251	B.A. Politics	Semester –VI	35163	Politics G3	Students are also expected to understand different forms of justifications of power and the role of ideology in this regard. State will be studied as a repository of power in society while class and patriarchy are two instance of how the nature of power is shaped by social factors.
252	B.A. Politics	Semester –VI	35161	Politics Special III	The paper covers personnel public administration in its historical context thereby proceeding to highlight several of its categories, which have developed administrative salience and capabilities to deal with process of change. The recent developments and particularly the emergence of New Public Administrations are incorporated within the larger paradigm of democratic legitimacy.
253	B.A. Politics	Semester –VI	35162	Politics Special IV	2. Study the Changing Nature of the National Power . The dominant theories of power and the question of equity and justice, the different aspects of balance of power leading to the present situation of a unipolar world are included.
254	B.A. Politics	Semester –VI	35165	Politics Special SEC	This course is and introduction to the political process in Maharashtra with special reference to regionalism sub-regionalism and Samyukta Maharashtra Movement. The aim of the course is that students are expected to understand both the historical evolution of Maharashtra's politics and different analyses of politics of the state.
255	B.A. Marathi	Semester –VI	35021	Marathi Special Paper III	1 . Understood the artistic value of literature.
256	B.A. Marathi	Semester –VI	35021	Marathi Special Paper III	2.Know the co-relation between Literature & Society
257	B.A. Marathi	Semester –VI	35022	Marathi Special Paper IV	1. Informed the students about the descriptive, Historical and comparative method, scope and difference of language.
258	B.A. Marathi	Semester –VI	35022	Marathi Special Paper IV	2. Made aware of the students about system of Marathi Language.
259	B.A. Marathi	Semester –VI	35025	Marathi SEC2D (2)	


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260	B.A. ENGLISH	Semester –VI	36001	Compulsory English T.Y.	1. Exposed students to varied cultural experiences through literature
261	B.A. ENGLISH	Semester –VI	36001	Compulsory English T.Y.	2. Contributed to their overall personality development by improving their communicative and soft skills
262	B.A. ENGLISH	Semester –VI	36333	Optional English G3	1. prepared students to go for detailed study and Understanding of literature and language
263	B.A. ENGLISH	Semester –VI	36333	Optional English G3	2.students are exposed to some of the best samples of Indian English Poetry
264	B.A. ENGLISH	Semester –VI	36331	English Special III	1. literary sensibility and sense of cultural diversity is developed in students
265	B.A. ENGLISH	Semester –VI	36331	English Special III	2.students are exposed to some of the best examples of novel
266	B.A. ENGLISH	Semester –VI	36331	English Special III	3. Developed the skills to critically examine novels independently
267	B.A. ENGLISH	Semester –VI	36332	English Special IV	1. students are familiarized with the significant critical approaches and terms
268	B.A. ENGLISH	Semester –VI	36332	English Special IV	2. students are encouraged to interpret literary works in the light of the critical approaches
269	B.A. ENGLISH	Semester –VI	36332	English Special IV	3. Developed students' aptitude for critical analysis
270	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	1. to train the students interpersonal skills.
271	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	2. to enhance leadership qualities.
272	M.Com	Semester –I	101	Management Accounting	1.The objective of the course is to Enabled students t o acquire sound Knowledge of concepts, methods and techniques of management accounting.
273	M.Com	Semester –I	101	Management Accounting	2.Made the students develop competence with their usage in managerial decision making and control
274	M.Com	Semester –I	103	Advanced Accounting I	1.Lay a theoretical foundation of Accounting and A ccounting Standards.
275	M.Com	Semester –I	103	Advanced Accounting I	2.Gain ability to solve problems relating to Compa ny Accounts, Valuations and special types of situations.
276	M.Com	Semester –I	103	Advanced Accounting I	3.Made the students acquainted with the procedure, Prattice and Regulation of Accountancy


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277	M.Com	Semester –I	104	Income Tax II	1.Gain knowledge of the provisions of Income - tax including Rules pertaining there to, relating to the following topics.
278	M.Com	Semester –I	104	Income Tax II	2.Developed ability to calculate taxable Income of ‘ Individual’, ‘Hindu Undivided Family’ and ‘Firm’ assesses.
279	M.Com	Semester –II	201	Financial Analysis and Control	1.The objective of the course is to Enabled st u dents to acquire sound knowledge of concepts, methods and techniques of <u>management accounting</u>
280	M.Com	Semester –II	201	Financial Analysis and Control	2. Made the students develop competence with their usage in <u>managerial decision making and control</u> .
281	M.Com		202	Industrial Economics	1.Studied the basic concepts of Industrial Economics .
282	M.Com	Semester –II	202	Industrial Economics	2.Studied the significance and problems of Industrilization.
283	M.Com	Semester –II	202	Industrial Economics	3.Studied the impact of Industrialization on Indian Economy.
284	M.Com	Semester –II	203	Specialized Areas In Accounting III	1.Developed competency of students to solve problems relating Special areas in accounting including accounting for Services Sector.
285	M.Com	Semester –II	203	Specialized Areas In Accounting III	2.Understood of Financial Reporting Practices.
286	M.Com	Semester –II	203	Specialized Areas In Accounting III	3 students are familiarized with procedure of accounting for Taxation.
287	M.Com	Semester –II	204	Business Tax assesment and Planning IV	1.Provided Understanding of Direct Taxes including Rules pertaining there to and their application to different business situations.
288	M.Com	Semester –II	204	Business Tax assesment and Planning IV	2. students are understood principles underlying the Service Tax .
289	M.Com	Semester –II	204	Business Tax assesment and Planning IV	3.Understood basic concepts of VAT, Excise Duty an d Customs Duty
290	M.Com	Semester –III	301	Business Finance	1.students acquired sound knowledge of concepts, nature and structure of business finance.
291	M.Com	Semester –III	302	Research Methodology for Business	1.the students are acquainted with the areas of Business Research Activities.
292	M.Com	Semester –III	302	Research Methodology for Business	2.Enhanced capabilities of students to conduct the research in the field of business and social sciences.


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293	M.Com	Semester –III	302	Research Methodology for Business	3.Enabled students, in developing the most appropriate methodology for their research studies.
294	M.Com	Semester –III	302	Research Methodology for Business	4.Made them familiar with the art of using different research methods and techniques.
295	M.Com	Semester –III	303	Advanced Auditing V	1. Imparted knowledge and develop Understanding of methods of auditing and their application.
296	M.Com	Semester –III	304	Specialized Areas In Auditing VI	1. Imparted knowledge and develop Understanding of methods of audit in Specialized areas.
297	M.Com	Semester –IV	401	Capital Market and Financial services	1. Enabled students to acquire sound knowledge, concept and structure of capital market and financial services.
298	M.Com	Semester –IV	402	Industrial Economics Environment	1.Studied the basic concepts of Industrial Finance
299	M.Com	Semester –IV	402	Industrial Economics Environment	2. Studied the effects of New Economic Policy.
300	M.Com	Semester –IV	402	Industrial Economics Environment	3. Studied the impact of Labor reforms on Industries.
301	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	1. Up-dated the students with latest developments in the Subject
302	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	2. Inculcated the habit of referring to various periodicals and publications in the given subject, apart from text books and reference books
303	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	3.Developed the ability to read, Understood, interpret and summarize various articles from newspapers, journals
304	M.Com	Semester –IV	102	Strategic Management	1: Students are understood Strategic management in framing the policies and administration in adverse condition of the business.
305	M.Com	Semester –IV	103	Advanced accounting	1. Students acquainted with the procedure, Practice and Regulation of Accountancy
306	M.Com	Semester –IV	204	Business Tax assessment and planning	1:Taxation procedure policies and regulations are important aspect in business which is core value of the subject.
307	M.Com	Semester –IV	301	Business Finance	1: The Students are known about financial aspects of the business.


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308	M.Com	Semester –IV	202	Industrial Economics	1: The Economical aspects related to industries are inculcated for the post graduate student in the curriculum.
309	M.Com	Semester –IV	403	Recent Advances in Accounting, Taxation & Auditing.	1. To enable the students to be abreast with the latest advances in the field of Accounting.
310	M.Com	Semester –IV	401	Capital Market and Financial Services	1. Student acquainted with the capital market so that they can enunciate the knowledge of raising the capital.
311	M.Com	Semester –IV	404	Project Work	1: The Students are developed analytical mind in the subject
312	BBA[CA]	Semester –I	CA-101	Business Communication	1. To understand what is the role the role of communication in personal and business world. 2. To understand system and communication and their utility 3. To develop proficiency in how to write business letters and other communications in required.
313	BBA[CA]	Semester –I	CA-102	Principles of Management	1. To examining how various management principles 2.To develop managerial skills among the students. 3.To understand basic concept regarding org. Business Administration.
314	BBA[CA]	Semester –I	CA-103	C Language	1.Student learned Decision making, structure, Union & all basics of C programming language, 2. Explore algorithmic approaches to problem solving. 3. Develop modular programs using control structures and arrays in 'C'.
315	BBA[CA]	Semester –I	CA-104	Database Management System	1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL.


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316	BBA[CA]	Semester –I	CA-105	Statistics	1. To understand role and importance of statistics in various business situations 2. To develop skills related with basic statistical technique 3. Develop right understanding regarding regression, correlation and data interpretation
317	BBA[CA]	Semester –I	CA-106	Computer Laboratory Based on 103 &104 (2 credits each)	Students will be able to : 1 Devise pseudocodes and flowchart for computational problems. 2 Write, debug and execute simple programs in ‘C’. 3 Create database tables in Oracles. 4 Write and execute simple, nested queries. Guidelines
318	BBA[CA]	Semester –I	CA-107	Add-On (PPA) (30 Hours)	1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays . 3.Design and analysis of major classes of algorithm.
319	BBA[CA]	Semester –II	CA-201	Organization Behavior & Human Resource Management	1.To understand basic concepts of OB and HRM. 2. To make aware students about traditional & modern methods of procurement & development in organization. 3. To know the major trends in HRM & OB
320	BBA[CA]	Semester –II	CA-202	Financial Accounting	1.To develop right understanding regarding role and importance of monetary and financial transactions in business 2. To cultivate right approach towards classifications of different transactions and their implications 3. To develop proficiency preparation of basic financial as to how to write basis accounting statement - Trading and P&L


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321	BBA[CA]	Semester –II	CA-203	Business Mathematics	1.To understand role and importance of Mathematics in various business situations and while developing softwares. 2.To develop skills related with basic mathematical technique.
322	BBA[CA]	Semester –II	CA-204	Relational Database	1. Enables students to understand relational database concepts and transaction management concepts in database system. 2. Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.
323	BBA[CA]	Semester –II	CA-205	Web Technology HTML-JS-CSS	1.To know & understand concepts of internet programming. 2. To understand how to develop web based applications using JavaScript.
324	BBA[CA]	Semester –II	CA-206	Computer Laboratory Based on 204 & 205(2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
325	BBA[CA]	Semester –II	CA_207	Add-On (Advance C) (30 Hours)	1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using C.
326	BBA[CA]	Semester –III	CA-301	Digital Marketing	1. The aim of this syllabus is to give knowledge about using digital marketing in and as business. 2. To make SWOT analysis, SEO optimization and use of various digital marketing tools.


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327	BBA[CA]	Semester –III	CA-302	Data Structure	<ol style="list-style-type: none"> 1. To understand the concepts of ADTs 2. To learn linear data structures – lists, stacks, and queues 3. To understand sorting, searching and hashing algorithms 4. To apply Tree and Graph structures
328	BBA[CA]	Semester –III	CA-303	Software Engineering	<ol style="list-style-type: none"> 1. To understand System concepts. 2. To understand Software Engineering concepts. 3. To understand the applications of Software Engineering concepts and Design in Software development.
329	BBA[CA]	Semester –III	CA-304	PHP	<ol style="list-style-type: none"> 1. Understand how server-side programming works on the web. 2. Using PHP built-in functions and creating custom functions 3. Understanding POST and GET in form submission. 4. How to receive and process form submission data. 5. Read and process data in a MySQL database.
330	BBA[CA]	Semester –III	CA-305	Big data	<ol style="list-style-type: none"> 1. To enable learners to develop expert knowledge and analytical skills in current and developing areas of analysis statistics, and machine learning 2. To enable the learner to identify, develop and apply detailed analytical, creative, problem solving skills. 3. Provide the learner with a comprehensive platform for career development, innovation and further study.


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331	BBA[CA]	Semester –III	CA-306	Computer Laboratory Based on 302 , 304 and 305 (2 credits each)	Students will be able to : 1. Practical and Actual working of constructing programs is done by students.
332	BBA[CA]	Semester –III	307 AECC	Environment Awareness	1. To provide an opportunities to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment 2. To develop conscious towards a cleaner and better managed environment
333	BBA[CA]	Semester –IV	CA-401	Networking	1. To gain knowledge about Computer Networks concepts. 2. To know about working of networking models, addresses, transmission medias and connectivity devices. 3. To acquire information about network security and cryptography.
334	BBA[CA]	Semester –IV	CA-402	Object Oriented Concepts Through CPP	1. Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design. 2. Enable students to write programs using C++ features like operator overloading, constructor and destructor, inheritance, polymorphism and exception handling.
335	BBA[CA]	Semester –IV	CA-403	Operating System	1. To know the services provided by Operating System 2. To know the scheduling concept 3. To understand design issues related to memory management and various related algorithms. 4. To understand design issues related to File management and various related algorithms


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336	BBA[CA]	Semester –IV	CA-404	Advance PHP	1. To know & understand concepts of internet programming. 2. Understand how server-side programming works on the web. 3. Understanding How to use PHP Framework (Joomla / Druple)
337	BBA[CA]	Semester –IV	CA-405	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
338	BBA[CA]	Semester –IV	CA-406	Computer Laboratory Based on 402,404 (2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
339	BBA[CA]	Semester –IV	CA-407	ADD-On (30 Hours) JQuery	1.Learn how to enhance their web application using the JQuery script library. 2.Jquery can enhance productivity. 3.Client side data binding techniques.
340	BBA[CA]	Semester –V	CA-501	Cyber Security	1. Have a good understanding of Cyber Security and the Tools. 2. Identify the different types of Cyber Crimes. 3. Have a good understanding of Cyber laws 4. To develop Cyber forensics awareness. 5. Identify attacks, security policies and credit card frauds in mobile and Wireless Computing Era
341	BBA[CA]	Semester –V	CA-502	OOSE	1. Students will be able to give Design Specifications for Project. 2. Students will acquire Knowledge in Basic Modeling. 3. Students will acquire Project Management Skills.


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342	BBA[CA]	Semester –V	CA-503	Core Java	1. Able to solve real world problems using OOP techniques. 2. Able to understand the use of abstract classes. 3. Able to solve problems using java collection framework and I/o classes. 4. Able to develop multithreaded applications with synchronization. 5. Able to develop applets for web applications. Able to design GUI based applications
343	BBA[CA]	Semester –V	CA-504	Python	1. Define and demonstrate the use of built-in data structures “lists” and “dictionary”. 2. Design and implement a program to solve a real world problem. 3. Design and implement GUI application and how to handle exceptions and files.
344	BBA[CA]	Semester –V	CA-505	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
345	BBA[CA]	Semester –V	CA-506	Computer Laboratory Based on 503 and 504(2 credits each)	Students will be able to : Practical and Actual working of constructing programs is done by students.
346	BBA[CA]	Semester –V	CA_507	Add on Course-IOT(30 Hours)	Students will be able 1. To explain key technologies, smart objects, IoT Architecture and security in Internet of Things. 2. To illustrate the role of IoT protocols for efficient network communication. 3. To understand IoT platform such as Arduino Uno.


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347	BBA[CA]	Semester –VI	CA-601	Recent Trends in Information Technology(Tutorial/Assignment)	On completion of the course, student will be able 1. To discuss the basic concepts AI. 2. To apply basic, intermediate and advanced techniques to mine the data. 3. To provide an overview of the concept of Spark programming.
348	BBA[CA]	Semester –VI	CA-602	Software Testing	1. Students will be introduced to testing tools. 2. Students will acquire Knowledge of Basic SQA. 3. Students will be able to design basic Test Cases.
349	BBA[CA]	Semester –VI	CA-603	Advanced Java	1. Students will know the concepts of JDBC Programming. 2. Students will know the concepts of Multithreading and Socket Programming. 3. Students will know the concepts of Spring and Hibernate. 4. Students will develop the project by using JSP and JDBC. 5. Students will develop applications in Spring and hibernate.
350	BBA[CA]	Semester –VI	CA-604	Dot Net framework	1. Use the features of Dot Net Framework along with the features of VB, C# and ASP 2. Design and develop window based and web based .NET applications. 3. Design and develop a Website. 4. Design and Implement database connectivity using ADO.NET for VB, C# and ASP.
351	BBA[CA]	Semester –VI	CA-605	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.


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352	BBA[CA]	Semester –VI	CA-606	Computer Laboratory Based on 603 and 604(2 credits each)	Students will be able to : 1. Practical and Actual working of constructing programs is done by students.
353	BBA[CA]	Semester –VI	CA-607	Add on Course-Soft Skills Training	1. It helps participants to communicate effectively and to carry themselves confidently. 2. They also learn how to identify and overcome the barriers in interpersonal relationships.
354	B.Sc(CS)	Semester –I	CS-111	Problem solving using Computer & C Programming	Students will be able to : 1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays in 'C'.
355	B.Sc(CS)	Semester –I	CS-112	Database Management system	student will be able to– 1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL.
356	B.Sc(CS)	Semester –I	CS-113	Practical Course based on CS111 and CS112	students will be able to : 1 Devise pseudocodes and flowchart for computational problems. 2 Write, debug and execute simple programs in 'C'. 3 Create database tables in postgresQL. 4 Write and execute simple, nested queries. Guidelines :


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357	B.Sc(CS)	Semester –I	MTC-111	Matrix Algebra	<p>student will be able to:</p> <p>1) A students should be able to work with graphs and identify certain parameters and properties of the given graphs.</p> <p>2) A students should be able to perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms.</p>
358	B.Sc(CS)	Semester –I	MTC-112	Discrete Mathematics	<p>student will be able to:</p> <p>1) A students should be able to solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y.</p> <p>2) A students should develop an appreciation for the literature on the subject and be able to read and present results from the literature.</p>
359	B.Sc(CS)	Semester –I	MTC-113	Mathematics Practical based on MTC-112 AND MTC 111	<p>student will be able to:</p> <p>1)A students should be able to write cohesive and comprehensive solutions to exercises and be able to defend their arguments.</p>
360	B.Sc(CS)	Semester –I	ELC-111	Semiconductor Devices and Basic ElectronicSystems	<p>1. To study various types of semiconductor devices</p> <p>2. To study elementary electronic circuits and systems</p>
361	B.Sc(CS)	Semester –I	ELC-112	Principles of Digital Electronics	<p>1. To get familiar with concepts of digital electronics</p> <p>2. To learn number systems and their representation</p>


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362	B.Sc(CS)	Semester –I	ELC-113	Electronics Lab based on ELC-111 and ELC-112	1. To understand basic logic gates, Boolean algebra and K-maps 2. To study arithmetic circuits, combinational circuits and sequential circuits
363	B.Sc(CS)	Semester –I	CSST-111	Descriptive Statistics	Student will be able to– 1) To tabulate and make frequency distribution of the given data. 2) To use various graphical and diagrammatic techniques and interpret.
364	B.Sc(CS)	Semester –I	CSST-112	Mathematical Statistics	Student will be able to– 1) To compute various measures of central tendency, dispersion, Skewness and kurtosis. 2) To fit the Binomial and Poisson distributions. 3) To compute the measures of attributes.
365	B.Sc(CS)	Semester –I	CSST-113	Statistics Practical based on CSST-111 and CSST-112	Student will be able to– 1) The process of collection of data, its condensation and representation for real life data. 2) To study free statistical softwares and use them for data analysis in projec
366	B.Sc(CS)	Semester –II	CS-121	Advanced C-Programming	Student will be able to :- 1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using C.


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367	B.Sc(CS)	Semester –II	CS-122	RDBMS	<p>Student will be able to–</p> <p>1 Design E-R Model for given requirements and convert the same into database tables.</p> <p>2 Use database techniques such as SQL & PL/SQL.</p> <p>3 Explain transaction Management in relational database System.</p> <p>4 Use advanced database Programming concepts</p>
368	B.Sc(CS)	Semester –II	CS-123	Computer Science Lab Course based on 121 and 122	<p>Students will be able to :</p> <p>1 Write, debug and execute programs using advanced features in ‘C’.</p> <p>2 To use SQL & PL/SQL.</p> <p>3 To perform advanced database operations</p>
369	B.Sc(CS)	Semester –II	MTC-121	Linear Algebra	<p>1.A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays , state important facts resulting from their studies.</p> <p>2 A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.</p>


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370	B.Sc(CS)	Semester –II	MTC-122	Graph Theory	<p>1.A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.</p> <p>2. A student be able to apply their skills and knowledge ,that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.</p>
371	B.Sc(CS)	Semester –II	MTC-123	Lab Course based on MTC-121 and MTC 122	<p>1. A student should be made aware of history of mathematics and hence of its past, present and future role as part of our culture.</p> <p>2. A student be able to apply their skills and knowledge ,that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.</p>
372	B.Sc(CS)	Semester –II	ELC-121	InstrumentationSystems	<p>1. To study Instrumentation System</p> <p>2. To study various blocks of Instrumentation System</p> <p>3. To study Smart Instrumentation System</p>
373	B.Sc(CS)	Semester –II	ELC-122	Basics of Computer Organization	<p>1. To get familiar digital sequential circuits</p> <p>2. To study Basic computer Organization</p> <p>3. To study Memory architecture</p>


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374	B.Sc(CS)	Semester –II	ELC-123	Lab Course based on ELC-121 and ELC-122	<ol style="list-style-type: none"> 1. To study Instrumentation System 2. To study various blocks of Instrumentation System 3. To study Smart Instrumentation System 4. To get familiar digital sequential circuits 5. To study Basic computer Organization 6. To study Memory architecture
375	B.Sc(CS)	Semester –II	CSST-121	Methods of Applied Statistics	<p>Student will be able to :-</p> <ol style="list-style-type: none"> 1 To fit various regression models and to find best fit. 2 To fit the Normal distribution.
376	B.Sc(CS)	Semester –II	CSST-122	Continuous Probability Dist. & Testing of hypothesis	<p>Students will be able to</p> <ol style="list-style-type: none"> 1) To understand the relationship between two variables using scatter plot. 2) To compute coefficient of correlation, coefficient of regression. 3) To understand the trend in time series and how to remove it.
377	B.Sc(CS)	Semester –II	CSST-123	Lab Course based on CSST-121 and CSST-122	<p>Student will be able to :-</p> <ol style="list-style-type: none"> 1. To generate model sample from given distributions. 2.To understandthe importance and functions of different statistical organizations in the development of nation.


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378	B.Sc(CS)	Semester –III	CS-231	Data structures and Algorithms	<ol style="list-style-type: none"> 1. To use well-organized data structures in solving various problems. 2. To differentiate the usage of various structures in problem solution. 3. Implementing algorithms to solve problems using appropriate data structures.
379	B.Sc(CS)	Semester –III	CS-232	software Engineering	<ol style="list-style-type: none"> 1. Compare and chose a process model for a software project development. 2. Identify requirements analyze and prepare models. 3. Prepare the SRS, Design document, Project plan of a given software system
380	B.Sc(CS)	Semester –III	CS-233	Practical Course based on CS 232 and CS 233	<ol style="list-style-type: none"> 1. Practical and Actual working of constructing data structure programs is done by students. 2. The students work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, and the final reporting
381	B.Sc(CS)	Semester –III	MTC-231	Groups & Coding Theory	<ol style="list-style-type: none"> 1. A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies


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382	B.Sc(CS)	Semester –III	MTC-232	Numerical Techniques	1. A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
383	B.Sc(CS)	Semester –III	MTC-233	Mathematics Practical : Python Programming Language	1.A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
384	B.Sc(CS)	Semester –III	ELC-231	Micro Controller Architecture & Programming	student will be able 1. To write programs for 8051 microcontroller 2. To interface I/O peripherals to 8051 microcontroller 3. To design small microcontroller based projects
385	B.Sc(CS)	Semester –III	ELC-232	Digital Communication & Networking	student will be able 1. Define and explain terminologies of data communication 2. Understand the impact and limitations of various digital modulation techniques 3. To acknowledge the need of spread spectrum schemes. 4. Identify functions of data link layer and network layer while accessing communication link 5. To choose appropriate and advanced techniques to build the computer network


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386	B.Sc(CS)	Semester –III	ELC-233	Electronics Lab Practical Course (ELC-233)	<p>student will be able</p> <ol style="list-style-type: none"> 1. To design and build his/her own microcontroller based projects. 2. To acquire skills of Embedded C programming 3. To know multiplexing and modulation techniques useful in developing wireless application 4. Do build and test own network and do settings. <p>Guidelines for</p>
387	B.Sc(CS)	Semester –III	AECC-I	Environment Awareness-I	<ol style="list-style-type: none"> 1.Master core concepts and methods from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions. 2.Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems. 3.Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales. 4.Apply systems concepts and methodologies to analyze and understand interactions between social and environmental processes.


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388	B.Sc(CS)	Semester –III	AECC-II	Language Communication-I	<p>1.Students will heighten their awareness of correct usage of English grammar in writing and speaking Students will improve their speaking ability in English both in terms of fluency and comprehensibility</p> <p>2.Students will give oral presentations and receive feedback on their performance</p> <p>3.Students will increase their reading speed and comprehension of academic articles</p>
389	B.Sc(CS)	Semester –IV	CS-241	Data Structures & Algorithms I	<p>1. Implementation of different data structures efficiently</p> <p>2. Usage of well-organized data structures to handle large amount of data</p> <p>3. Usage of appropriate data structures for problem solving</p>
390	B.Sc(CS)	Semester –IV	CS-242	Computer Network-I	<p>1. Have a good understanding of the OSI and TCP/IP Reference Models and in particular have a good knowledge of Layers.</p> <p>2. Understand the working of various protocols.</p> <p>3. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies</p>
	B.Sc(CS)	Semester –IV	CS-243	Practical Course based on CS 241 and CS 242	<p>1.Practical and Actual working of constructing data structure programs is done by students.</p> <p>2.computer networking assignments</p>


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391	B.Sc(CS)	Semester –IV	ELC-241	Embedded System Design	<p>On completion of the course, student will be able</p> <ol style="list-style-type: none"> 1. To understand the difference between general computing and the Embedded systems. 2. To know the fundamentals of embedded systems. 3. Understand the use of Single board Computer (Such as Raspberry Pi) for an embedded system application. 4. Familiar with the programming environment to develop embedded systems and their interfaces with peripheral devices. 5. To develop familiarity with tools used to develop in an embedded environment.
392	B.Sc(CS)	Semester –IV	ELC-242	Wireless Comm. & Internet of Things	<p>Students will be able to</p> <ol style="list-style-type: none"> 1. Know working of wireless technologies such as Mobile communication, GSM, GPRS 2. Become familiar with 3G and 4G Cellular Network Technologies for Data Connections. 3. Understand working principles of short range communication application 4. Get introduce to upcoming technology of Internet of Things 5. Explore themselves and develop new IoT based applications
	B.Sc(CS)	Semester –IV	ELC-243	Practical Course based on and ELC-241 AND ELC-242	<p>students will be able</p> <ol style="list-style-type: none"> 1. To design and develop own smart applications using Rasberry-Pi 2. To write Python program for simple applications 3. To build own IoT based system


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	B.Sc(CS)	Semester –IV	MTC-241	Computational Geometry	1.A student be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
393	B.Sc(CS)	Semester –IV	MTC-242	Operation Research	1.A student should be made aware of history of mathematics and hence of its past, present and future role as part of our culture.
394	B.Sc(CS)	Semester –IV	MTC-243	Practical Course based on MTC-241 and MTC-242	1.A student be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
395	B.Sc(CS)	Semester –IV	AECC-I	Environmental Awareness-II	1.Students develop critical-thinking skills, analyze real-world problems, and understand the power of narrative to create sustainable solutions for local and global communities.
396	B.Sc(CS)	Semester –IV	AECC-II	Language Communication –II	1.Students will improve their reading fluency skills through extensive reading 2.Students will enlarge their vocabulary by keeping a vocabulary journal 3.Students will strengthen their ability to write academic papers, essays and summaries using the process approach.


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397	B.Sc(CS)	Semester –V	CS-351	Operating Systems – I	1. Processes and Thread Scheduling by operating system 2. Synchronization in process and threads by operating system 3. Memory management by operating system using with the help of various schemes
398	B.Sc(CS)	Semester –V	CS-352	Computer Networks – II	1.Student will understand the different protocols of Application layer. 2.Develop understanding of technical aspect of Multimedia Systems 3. Develop various Multimedia Systems applicable in real time. 4.Identify information security goals. 5. Understand, compare and apply cryptographic techniques for data security.
399	B.Sc(CS)	Semester –V	CS-357	Practical course based on CS 35	1. To understand the concept of process scheduling with the help of simulation. 2. To study the concept demand paging concepts in operating system. 3. To understand the working of operating system shell.
400	B.Sc(CS)	Semester –V	CS-353	Web Technologies – I	1.To Design dynamic and interactive Web pages. 2.To Learn Core-PHP, Server Side Scripting Language 3.To Learn PHP-Database handling


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401	B.Sc(CS)	Semester –V	CS-354	Foundations of Data Science	1. Perform Exploratory Data Analysis 2. Obtain, clean/process, and transform data. 3. Detect and diagnose common data issues, such as missing values, special values, outliers, inconsistencies, and localization. 4. Demonstrate proficiency with statistical analysis of data. 5. Present results using data visualization techniques. 6. Prepare data for use with a variety of statistical methods and models and recognize how the quality of the data and the means of data collection may affect conclusions.
402	B.Sc(CS)	Semester –V	CS-358	Practical course based on CS 353 and CS 354	1.To Design dynamic and interactive Web pages. 2.To Learn Core-PHP, Server Side Scripting Language 3.To Learn PHP- Database handling 4.To apply statistical, data preprocessing and visualization techniques on data sets
403	B.Sc(CS)	Semester –V	CS-355	Object Oriented Programming using Java-I	1.To learn Object Oriented Programming language 2. To study various java programming concept like Interface, File and Exception Handling etc. 3.To design User Interface using Swing and AWT
404	B.Sc(CS)	Semester –V	CS-356	Theoretical Computer Science	1. Understand the use of automata during language design. 2.Relate various automata and Languages.


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405	B.Sc(CS)	Semester –V	CS-359	Practical Course based on CS 3	<ol style="list-style-type: none"> 1. Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. 2. Read and make elementary modifications to Java programs that solve real-world problems. 3. Validate input in a Java program.
406	B.Sc(CS)	Semester –V	CS-3510	Python Programming	<ol style="list-style-type: none"> 1. To introduce programming concepts using python 2. Student should be able to develop Programming logic using python 3. To develop basic concepts and terminology of python programming 4. To test and execute python programs
407	B.Sc(CS)	Semester –V	CS-3511	Blockchain Technology	<ol style="list-style-type: none"> 1. Understand what and why of blockchain technology. 2. Explore major components of blockchain. 3. Learn about Bitcoin, Cryptocurrency and Ethereum. 4. To learn blockchain programming using Python, Flask Web Framework, and HTTP client Postman.
408	B.Sc(CS)	Semester –VI	CS-361	Operating Systems – II	<ol style="list-style-type: none"> 1. To understand the issue of Deadlocks in Process management. 2. To understand the concept of File system management & disk scheduling 3. To study the concept of distributed and mobile operating systems


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409	B.Sc(CS)	Semester –VI	CS-362	Software Testing	<p>1. To understand various software testing methods and strategies.</p> <p>2. To understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software.</p> <p>3. To design test cases and test plans, review reports of testing for qualitative software.</p> <p>4. To understand latest testing methods used in the software industries.</p>
410	B.Sc(CS)	Semester –VI	CS-367	Practical course based on CS 36	<p>1. Management of deadlocks by operating system</p> <p>2. File System management</p> <p>3. Disk space management and scheduling for processes</p>
411	B.Sc(CS)	Semester –VI	CS-363	Web Technologies – II	<p>1. To Learn different technologies used at client Side Scripting Language</p> <p>2.To Learn XML and XML parsers.</p> <p>3.To One PHP framework for effective design of web application.</p> <p>4.To Learn Java Script to program the behavior of web pages.</p> <p>5.To Learn AJAX to make our application more dynamic.</p>


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412	B.Sc(CS)	Semester –VI	CS-364	Data Analytics	<p>1. Use appropriate models of analysis, assess the quality of input, and derive insight from results.</p> <p>2. Analyze data, choose relevant models and algorithms for respective applications</p> <p>3. Understand different data mining techniques like classification, prediction, clustering and association rule mining</p> <p>4. Apply modeling and data analysis techniques to the solution of real world business problems</p>
413	B.Sc(CS)	Semester –VI	CS-368	Practical course based on CS 36	<p>1. Build dynamic website.</p> <p>2. Using MVC based framework easy to design and handling the errors in dynamic website.</p>
414	B.Sc(CS)	Semester –VI	CS-365	Object Oriented Programming	<p>1. To learn database programming using Java</p> <p>2. To study web development concept using Servlet and JSP</p> <p>3. To develop a game application using multithreading</p> <p>4. To learn socket programming concep</p>
415	B.Sc(CS)	Semester –VI	CS-366	Compiler Construction	<p>1. Understand the process of scanning and parsing of source code.</p> <p>2. Learn the conversion code written in source language to machine language. 3. Understand tools like LEX and YACC</p>


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416	B.Sc(CS)	Semester –VI	CS-369	Practical Course based on CS 3	1. To Learn database Programming using Java 2. Understand and Create dynamic web pages using Servlets and JSP. 3. Work with basics of framework to develop secure web applications
417	B.Sc(CS)	Semester –VI	CS-3610	Software Testing Tools	1.To understand various software testing methods and strategies. 2.To understand a variety of software metrics and identify defects and managing those defects for improvement in quality for given software. 3.To design test cases and test plans, review reports of testing for qualitative software. 4. To understand latest testing tools used in the software industries.
418	B.Sc(CS)	Semester –VI	CS-3611	Project	1. The students work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, implementation, testing, and the final reporting
419	B. Sc.		MB- 351	Medical Microbiology- I	Students can learn about different bacterial pathogens, epidemiology, and diseases of human body systems.
420	B. Sc.		MB- 352	Immunology – I	1.Students learn all the basic concepts about immunity, blood cell formation, and different organs in immunity. They gain knowledge of 3 lines of body's defence. They thoroughly understand about Antigens and Antibodies; They gain knowledge about Cell Mediated Immune Response, Transplantation and Immunity.


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421	B. Sc.		MB-353	Enzymology	Students are able to understand about enzymes, enzyme assays, they gain knowledge about methods of purification of enzymes, Students studies about enzyme kinetics and calculate V_{max} , K_m , K_{cat} values, They are able to tell different methods of enzyme immobilization.
422	B.SC		MB- 354	Genetics	Student acquires knowledge of Gene Linkage and crossing over, DNA Replication, Prokaryotic and Eukaryotic Transcription and Translation, Techniques used in recombinant DNA technology.
423	B.SC		MB- 355	Fermentation Technology – I	Students learn about objectives and applications of industrial fermentation process, They learn basic steps like Media optimization, Sterilization, Scale-up and Scale-down. Students learn about economics of fermentation, test of QA and QC.
424	B.SC		MB-356	Agriculture Microbiology	Students learn about objectives and applications of Agriculture microbiology. They will learn about role of soil micro-organisms in agriculture. Students gain knowledge of Agriculture Technology
425	B.SC		MB- 3511	Dairy Microbiology	Students will learn about dairy developments in India. Students will understand milk chemistry and microbiology, they will learn about spoilage of milk and milk preservation methods, milk born infections. Student will come to know techniques of Pasteurization and milk analysis.
426	B.SC		MB-3510	Marine microbiology	Students will get awareness of unseen and unexplored niche of marine ecosystem of microbes. To acquire advances in the knowledge of marine microbes and marine ecology. To learn the field research on marine processes and laboratory research on microorganisms. To comprehend the role of marine microbes in bioremediation and bioprospecting. To avail career opportunities in marine education, industry and research.


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427	BS.C		MB- 357	Practical course – I Based on MB-351 MB-352	1. Students can able to isolate and identify pathogens from clinical samples. 2. They can perform hematology and hemogram analysis. 3. They could able to perform epidemiological surveys.
428	BS.C		MB- 358	Practical course – II Based on MB-353 MB-354	1. Students can learn clinical biochemistry experiments. 2. They can analyse proteins and carbohydrates qualitatively 3. Student are able to make buffers, study enzyme kinetics and calculate Vmax, Km, Kcat values. 4. They can make buffers, isolate genomic DNA, Plasmid DNA, could perform gelelectrophoresis.
429	BS.C		MB- 359	Practical course -III Based on MB-355 MB-356	1. Students are able to perform biochemical assays for vitamin and antibiotic, 2. They can able to cultivate lactic acid bacteria, Bio- inoculants, Pesticide degrader. 3. Students can learn different milk test. 4. They can able to synthesize nanoparticles.
430	B.SC		MB- 361	Medical Microbiology – II	Students can learn about chemotherapy, antibiotic resistance, and viral, fungal and protozoan pathogens.
431	B.SC		MB- 362	Immunology-II	Students can learn about Humoral immune response ,Cell mediated immune response ,Hypersensitivity ,Autoimmunity , Autoimmune disease, Immunodeficiency
432	B.SC		MB- 363	Metabolism	Students learn about Membrane transport mechanisms, Bioenergetics and laws of thermodynamics. They understand Biosynthesis and Degradation of macromolecules. They could able to understand photosynthesis process in bacteria.


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433	B.SC		MB- 364	Molecular Biology	Student gain knowledge of methods of gene transfer by transformation, transduction and conjugation, They understand how to generate rDNA molecule, They can learn about important tools used in rDNA technology.
434	B.SC		MB- 365	Fermentation Technology - II	Here the students can learn about commercial scale productions of various products like: Primary Metabolites, Secondary metabolites, Enzymes, Biomass based products, Vaccines, Immune sera, Student can able to distinguish between Solid State Fermentation and Submerged Fermentation.
435	B.SC		MB- 366	Food Microbiology	To describe food safety problems and solutions in India and global scale. Identify and classify types of microorganisms in food processing and compare their Characteristics and behavior To learn food classification based on their perishability, intrinsic and extrinsic factors affecting the growth of microbes in foods, role of microorganisms in food fermentation.
436	B.SC		MB-3610	Waste management	Students will understand waste management and its practicability. To assess the magnitude and influence of hazardous content of waste, pollution of waters and waste water treatment technologies. Students will learn the design and working of treatment plants and methods used for liquid and solid waste treatment.
437	B.SC		MB-3611	Nano-biotechnology	Students will understand design, development and application of Nanomaterials and their application in, nanodevices. To learn fundamentals of nanotechnology as to Synthesis and characterization techniques of nanoparticles. □ To acquire knowledge of applications of nano-materials in different disciplines of human life. □ To compare the merits of using nanotechnology with existing technologies. □


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438	B.SC		MB-367	Practical course I Based on Diagnostic Microbiology and Immunology	Here students will study about microbial pathogens by using permanent slides. Isolation of yeast/Fungal pathogen. Antibiotic sensitivity testing of the bacterial pathogens : The qualitative diagnosis of Plasmodium spps ., Demonstrations of: Serum protein separation by electrophoresis , ELISA (Antigen/ Antibody detection) Egg inoculation technique
439	B.SC		MB 368	Practical Course – II Based on Metabolism and Molecular Biology	Students will obtain knowledge about clinical biochemistry experiments along with enzyme production, purification quantification, immobilization Bacteriophage .
440	B.SC		MB 369	Practical Course-III Based on Fermentation Technology- II and Food Microbiology	Here students will get to know about fermentation at laboratory level. Solid state fermentation , Probiotic micro flora , Aflatoxin , TDP and TDT value , Determination of TDR and D value HACCP guidelines for food industry
441	M.Sc	Semester –I	MB 501	Microbial systematics	1.This course gives idea about microbial classification.
442	M.Sc	Semester –I	Mb 502	Quantitative biology	2.Students get knowledge about quantitative analysis of the survey. report and the data collected, comparative account of the data.
443	M.Sc	Semester –I	MB 503	Biochemistry and Metabolism	3.Metabolism of proteins , lipids and carbohydrates. Catabolism and anabolism of all the three biomolecules
444	M.Sc	Semester –I	MBTE 11	Fungal systematics and Extr	Knowledge about fungal classification. As well as idea about the extreme conditions like temp , pH ,moisture where the microorganisms can grow.


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445	M.Sc	Semester –I	MBPE11	Practical based on Fungal sy	Specific media for the growth of Fungi, and extremophiles. Focussing the keys of the isolation and identification of fungi and extremophiles
446	M.Sc	Semester –I	MBCP 1	Biochemical techniques (Practical based on Complusory theory credits)	Practicals based on Buffer preparation, Role of buffer in media preparation, Different techniques like U.V. Spectrophotometry, electrophoresis, chromatography etc.
447	M.Sc	Semester –II	MB 601	Instrumentation and biophys	Principle and techniques like different types of chromatography, Electrophoresis,HPLC,Colorimetry , U. V. Spectrometry etc.
448	M.Sc	Semester –II	Mb 602	Molecular Biology	Methods of transcription and translations in prokaryotes and eukaryotes etc. Cell division and cell cycle control by CDK Cyclins etc'
449	M.Sc	Semester –II	MB 603	Enzymology ,Bioenergetics and Metabolism	Thermodynamics, Enzymes classification, Isolation and purification methods along with that specific activity, enzyme activity calculations. Study of intermittent metabolic products produced during metabolism
450	M.Sc	Semester –II	MBTE 23	Nitrogen metabolism , respiration and photosynthesis	Study in detail about Nitrogen cycle, isolation and identification of Nitrogen fixing and nitrogen nonfixing bacteria. Along with that photosynthesis mechanism in different types of plants, C3 and C4 pathways, CAM pathways etc
451	M.Sc	Semester –II	MBPE23	Practical based on Nitrogen metabolism , respiration and photosynthesis	Preparation of selective media for the isolation and identification of symbiotic and nonsymbiotic bacteria , their confirmation, cell division steps etc.


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452	M.Sc	Semester –II	MBCP 2	Molecular biology, Enzymology and instrumentation techniques (Practical based on Complusory theory credits)	Practicals related to plasmid DNA extraction, Genomic DNA extraction, Transformation , Plasmid curing , Restriction endonuclease. To calculate enzyme activity , and specific activity of an enzyme, their purification methods.
453	M.Sc	Semester –III	MB 701	Immunology	Students get knowledge about Immune system mechanism , how the immune system acts against tumor and cancer cell. What are biological response modifiers.etc
454	M.Sc	Semester –III	Mb 702	Molecular Biology	Genetics behind cancer and Tumours . Various test to check the gene sequences, hereditary transferring diseases etc. , Chromosomal aberrations.
455	M.Sc	Semester –III	MB 703	Clinical Microbiology	Different types of diseases caused by bacteria , fungi, viruses, their habitat, multiplication rate , symptoms, Laboratory diagnosis, antibiotic sensitivity testing and prophylaxis etc.
456	M.Sc	Semester –III	MBTE 31	Cell culture techniques	What are cell line , continues cell lines. Cell cultures specificities of different cell lines. Meaning of Established cell line, suspension culture.and their use for identification of specific cancer.
457	M.Sc	Semester –III	MBPE 31	Practical based on cell culture technique	Specific media for the preparation cell line and cell cultre, role of each and every content in the medium
458	M.Sc	Semester –III	MBCP 3	(Practical based on Complusory theory credits)	Identification and Isolation of various pathogenic organism. Precipitation and agglutination. Qualitative and quatitative analysis of Antigen and Antibody etc.


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459	M.Sc	Semester –IV	MB 801	Pharmaceutical Microbiology	What are anti-infective their mode of action, method to check susceptibility and resistance. Meaning of MIC , MBC . NCCS Norms in pharmacy, CLSI guidelines etc..
460	M.Sc	Semester –IV	Mb 802	Microbiology technology	Different method used in fermentation industry. Batch fermentation , Continuous fermentation. Fed batch fermentation. Important parts used in fermenter.
461	M.Sc	Semester –IV	MBTE 41	Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	Role of quality department in pharmaceutical industry , Meaning of calibration and Validation of specific instrument. What is Standard Operating System
462	M.Sc	Semester –IV	MBPE41	Practical based on Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	S.O.P. methods of various instruments like incubator , Hot air oven ,Autoclave. Calculate MIC and MBC value of specific anti-infective. Antibiotic susceptibility testing. Reasons For antibiotic resistance.
463	M.Sc	Semester –IV	MBTE 42	Advances in Microbial technology	Testing of MIC and MBC , different methods to check antibiotic resistance, Buffer preparation, Media preparation, preparation of dilution scheme according to CLSI guidelines etc.
464	M.Sc	Semester –IV	MBCP 4	Dissertation	Research project should be completed by a postgraduate student. They get the knowledge about to check proper research paper related to our topic. How to apply statistical analysis by ANNOVA or T test. How to prepare final thesis etc.


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2.6.1 :- All Program outcomes(PO)

Program No.	Program	Program outcomes	Subjects	Year
1	B.A.	1: Understand economics concepts and problems of economics, demand and supply law its variations.	B.A - Economics	2021-22
		2 Knowledge of population demographic theory, poverty and unemployment and its measures of eradication.	B.A - Economics	2021-22
		3 understanding price determinations under various market structures.	B.A - Economics	2021-22
		4: Understand factors of production determinants.	B.A - Economics	2021-22
		5 knowledge of national income accounting, inflation measures.	B.A - Economics	2021-22
		6 Understand present economic profile as an emerging economy.	B.A - Economics	2021-22
		7 knowledge of international financial institutions functioning, its achievement and current status.	B.A - Economics	2021-22
		8 Knowledge of theories of development and growth, macro economics policy its implantations.	B.A - Economics	2021-22
		1. Develop linguistic competence,	B.A.(English)	2021-22
		2 Knowledge of Various Genres of Literature	B.A.(English)	2021-22
		3. knowledge of Linguistics and Phonetics to enhance Communication Skills	B.A.(English)	2021-22
		4 Critical Analysis of literary Works	B.A.(English)	2021-22
		5.Develop writing skills in English	B.A.(English)	2021-22


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1. Enable students to gain knowledge for Courses of Travel and Tourism, Surveyor, Geo-informatics, MSW. , GPS,GIS & RS etc.	B.A.(Geography)	2021-22
2. Students can gain knowledge and get success in UPSC and MPSC competitive exams.	B.A.(Geography)	2021-22
3.Students are enabled to conduct socio-economic Survey with appropriate Methods and explain it with GIS & RS.	B.A.(Geography)	2021-22
4. Students are able to read & explain Toposheets & IMD Weather Map.	B.A.(Geography)	2021-22
5. Develop competence to find causes, study the consequences and giving suggestions for Disaster Management and can actively participate where ever applicable.	B.A.(Geography)	2021-22
6. Gain knowledge and guide about different tourist places with geographical, Historical, Spiritual as well as aesthetic angle. tourist places.	B.A.(Geography)	2021-22
8. Students can understand & explain the situation of Physio-Socio-Economic aspects of India.	B.A.(Geography)	2021-22
9. Student can understand the Natural & Manmade Resources and its importance for life.	B.A.(Geography)	2021-22
10. Students can aware and Practice advanced and scientific agricultural methods in their Personal perspective.	B.A.(Geography)	2021-22
11. Understand the concept of trade, environment ,agriculture,population	B.A.(Geography)	2021-22
12. Students can Understand and explain about the Origin and landforms on the earth.	B.A.(Geography)	2021-22
1 Development of citizenship	B.A. (politics)	2021-22
2.Constitutional awareness	B.A. (politics)	2021-22


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		3. Develop ideological base	B.A. (politics)	2021-22
		4. Develop International perspective	B.A. (politics)	2021-22
		1 Awareness of linguistic skills	B.A (Marathi)	2021-22
		2. Develop Literary Skills	B.A (Marathi)	2021-22
		3. Use of Marathi in Practical life as a language of communication	B.A (Marathi)	2021-22
		4. Exposure to different genres of Marathi Literature	B.A (Marathi)	2021-22
		5. Develop Critical abilities to understand the subtleties of language	B.A (Marathi)	2021-22
		6. Understand the scope and use of Marathi in Media, Newspapers and other Arts	B.A (Marathi)	2021-22
2	B.Com	1: Understand banks and its functions.	B. Com. (Banking & Economics)	2021-22
		2: Awareness about new technology implementation in banking sector.	B. Com. (Banking & Economics)	2021-22
		3: Gain knowledge about financial markets its functions, SBI role and controls.	B. Com. (Banking & Economics)	2021-22
		4: students understand money and capital market, foreign exchange markets its workings.	B. Com. (Banking & Economics)	2021-22
		5: Students get knowledge about financial investment intuition especially in India.	B. Com. (Banking & Economics)	2021-22


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6: Understand banking regulation Act provisions and new amendments.	B. Com. (Banking & Economics)	2021-22
7: Students learn loan recovery methods of loan by bank.	B. Com. (Banking & Economics)	2021-22
8: Student get an idea about current scenario of Indian banking system.	B. Com. (Banking & Economics)	2021-22
9 : Student know the economic concepts, demand and supply variations, objectives of firms, demand forecasting, etc.	B. Com. (Banking & Economics)	2021-22
10: knowledge about cost and its effects on any firm, industry and trade.	B. Com. (Banking & Economics)	2021-22
11: Student learn price determinations under various market structures.	B. Com. (Banking & Economics)	2021-22
12: information on how factor of production determines	B. Com. (Banking & Economics)	2021-22
13: Student understand national income accounting, inflation measures.	B. Com. (Banking & Economics)	2021-22
14: Student get knowledge on today's profile as an emerging economy.	B. Com. (Banking & Economics)	2021-22
15: Student understand today's foreign trade and balance payment scenario.	B. Com. (Banking & Economics)	2021-22
16: Student understand international financial intuitions functioning, its achievement and current status.	B. Com. (Banking & Economics)	2021-22
1 : The Students are equipped with the knowledge of accountancy after completing their graduation.	B.COM (commerce)	2021-22
2:Competence of the knowledge of income tax and other such lawas related to business trade and	B.COM (commerce)	2021-22


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		3: Knowledge of the market position and modern communication skills for success in the business.	B.COM (commerce)	2021-22
		4: Analysis by using mathematical and statistical tools, to undertake research in trade and commerce.	B.COM (commerce)	2021-22
		5: Knowledge of various managerial aspects.	B.COM (commerce)	2021-22
		6: To enhance communicative skills	B.COM (commerce)	2021-22
		7: Development of business skills and entrepreneurship	B.COM (commerce)	2021-22
		8: Knowledge of banking rules regulation laws and practices.	B.COM (commerce)	2021-22
		9 : Understanding of the Theory and Practice of Economics and knowledge of the consequences of Economical changes.	B.COM (commerce)	2021-22
		10- Achieve professional success through communication skills	B.COM (commerce)	2021-22
3	B.Sc. (Comp.)	1.Theoretical and Practical skills of Computer Science	B.C.S.	2021-22
		2. Ability to apply knowledge of computing and mathematics appropriately	B.C.S.	2021-22
		3. Competence to identify formulate and develop solutions to computational challenges.	B.C.S.	2021-22
		4. Ability to design implement and evaluate computational system to meet desired results	B.C.S.	2021-22
		5. Ability to use appropriate technology skills and tools necessary for computing practice	B.C.S.	2021-22
		6.Application of knowledge of computing and statistics appropriately	B.C.S.	2021-22
4	B.C.A.	1.Impart knowledge required for planning, designing and building Complex Application Software Systems	B.C.A.	2021-22


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		2. Provide sound academic base from which an advanced career in Computer Applications can be developed.	B.C.A.	2021-22
		3. Develop practical skills to address problems in computer systems and applications.	B.C.A.	2021-22
		4. Produce knowledgeable and skilled human resources which is employable in IT	B.C.A.	2021-22
		5. Develop practical skills to address problems in computer systems and applications.	B.C.A.	2021-22
		6. Teaches professional competence in developing software and in its design and implementation.	B.C.A.	2021-22
		7. Provide basic statistical knowledge required for computer applications	B.C.A.	2021-22
		8. Provide sound academic base from which an advanced career in Computer Applications can be developed.	BBA[CA]	2021-22
		9. Conceptual grounding in computer usage as well as its practical business application will be provided making	BBA[CA]	2021-22
		10. Develop students to become globally competent.	BBA[CA]	2021-22
		11. Provides practical skills to address problems in computer systems and applications.	BBA[CA]	2021-22
		12. Provide basic statistical knowledge required for computer applications	BBA[CA]	2021-22
5	B.Sc. (Micro)	1. The aim is to provide students with a solid foundation in the physiology, genetics, biochemistry, medical microbiology and agricultural microbiology of bacteria and viruses and an	B.Sc.(Microbiology)	2021-22
		2. The programme has a strong practical emphasis, providing students with the basic laboratory skills required for a career in either applied or research microbiology	B.Sc.(Microbiology)	2021-22
		3. Deepens the student's understanding of how viruses and bacteria survive, multiply, interact with their environment and cause disease through core studies on their structure,	B.Sc.(Microbiology)	2021-22


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		4.To provide the appropriate environment to encourage the development of the students interest in general microbiology and to help them acquire appropriate intellectual, scientific,	B.Sc.(Microbiology)	2021-22
		Develop advanced practical skills relevant to microbiology	B.Sc.(Microbiology)	2021-22
		6. An understanding of laboratory based investigations in microbiology applicable to studying microbial involvement in health, and disease	B.Sc.(Microbiology)	2021-22
		7. To increase the employability of students in various industries like food industry, pharmaceutical and agriculture based industry.	B.Sc.(Microbiology)	2021-22
		8. To increase the knowledge regarding morphological & anatomical structure of plants	B.Sc.(Microbiology)	2021-22
		9.To increase the knowledge of classification system of plants according to various scientists	B.Sc.(Microbiology)	2021-22
		develop the practical skills relevant to botany	B.Sc.(Microbiology)	2021-22
6	M.Com.	1 :Knowledge of the advances in accountancy especially in the area of corporate and service sector.	M.COM(commerce)	2021-22
		2: To make the students acquainted with the various managerial concepts including strategic management useful for success in business.	M.COM(commerce)	2021-22
		3. Knowledge of the research methodology in order to conduct in depth study of the subjects related to trade, commerce and Industry.	M.COM(commerce)	2021-22
		4.Exposure to current problems in business environment.So cyber law study and human rights are included as part of curriculum.	M.COM(commerce)	2021-22
		5. application of the current knowledge related to income tax including excise duty, service tax, GST and vat	M.COM(commerce)	2021-22


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		6. Knowledge of the capital market	M.COM(commerc e)	2021-22
		7. Ability to verify the methods of raising the finance its adverse and favourable effects.	M.COM(commerc e)	2021-22
7	M.Sc. (Micro)	1. Provide students with sufficiently detailed information about the modern technologies used in diagnostics and research to enable them to apply these to complex problem solving in the investigation of disease	M.Sc.(Microbiolog y)	2021-22
		2. Develop advanced practical skills relevant to microbiology, Interpret quantitative and qualitative data. Learn independently take responsibility for planning and organization of work both their own and in a team	M.Sc.(Microbiolog y)	2021-22
		3. To communicate ideas, principles and theories effectively by oral, written and visual means	M.Sc.(Microbiolog y)	2021-22
		4. Apply basic statistical and numerical skills to microbiological data. Use Information Technology e.g. Internet, Virtual Learning Resources, word processors and	M.Sc.(Microbiolog y)	2021-22
		5. Work effectively and independently on a given project or task. Work effectively in small groups and teams towards a common Goal/outcome	M.Sc.(Microbiolog y)	2021-22
		6. Students will acquire a number of transferable skills, including: design and execution of experiments (including working in a team); accessing information; interpretation of	M.Sc.(Microbiolog y)	2021-22
		7. The final year aims to bring the student's understanding to the forefront of selected areas of microbial research, through lectures, directed studies and presentations as well as a lab-	M.Sc.(Microbiolog y)	2021-22
		8. Increase the confidence level of students and make them a socially responsible person	M.Sc.(Microbiolog y)	2021-22
		9. Get knowledge of fermentation process, design of bioreactor & its working	M.Sc.(Microbiolog y)	2021-22


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	10. Get knowlege of species & species evolution	M.Sc.(Microbiolog y)	2021-22
	11.Study how to cultivate unculturable using various molecular methods & bioinformatics	M.Sc.(Microbiolog y)	2021-22
	12. Get knowlege of gene sequencing	M.Sc.(Microbiolog y)	2021-22
	13. Study various statistical methods under quantitative biology	M.Sc.(Microbiolog y)	2021-22
	14. Study cell organization & biochemistry	M.Sc.(Microbiolog y)	2021-22
	15. Get knowledge of instumentation & molecular physics	M.Sc.(Microbiolog y)	2021-22
	16.Study microbial metabolism & bioenergetics	M.Sc.(Microbiolog y)	2021-22
	17. Get practical knowledge of enzymology & microbial metabolism	M.Sc.(Microbiolog y)	2021-22
	18. Get knowledge of pharmaceutical & medical microbiology	M.Sc.(Microbiolog y)	2021-22
	19. Get knowlege of molecular biology	M.Sc.(Microbiolog y)	2021-22
	20. Get knowlege of microbial technology	M.Sc.(Microbiolog y)	2021-22


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2.6.1 :- Courses outcomes for All Courses

Id	Program	Sem	CourseCode	CourseName	Courses outcomes
1	B.Com	Semester –I	111	Compulsary English-I	1.Students got good pieces of prose and poetry so that they realize the beauty and communicative power of English.
2	B.Com	Semester –I	111	Compulsary English-I	2.Students got an exposure to native, cultural experiences and situations so that they Understood the importance and utility of English language.
3	B.Com	Semester –I	112	Financial Accounting- I	1. To impart knowledge of basic accounting concepts
4	B.Com	Semester –I	112	Financial Accounting- I	2. To create awareness about application of these concepts in business world
5	B.Com	Semester –I	113	Business Economics (Micro) - I	1. To impart knowledge of business economics
6	B.Com	Semester –I	113	Business Economics (Micro) - I	2. To understand basic theories, concepts of micro economics and their application
7	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	1. To familiar the students with applications of Statistics and Mathematics in Business


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8	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	2. The main outcome of this course is that the students are able to analyze the data by using some elementary statistical methods
9	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	1. To provide knowledge of fundamentals of Banking
10	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	2. To create awareness about various banking concepts
11	B.Com	Semester –I	116 - B	Insurance and Transport- I	To acquaint students with the concepts of Insurance
12	B.Com	Semester –I	116 - B	Insurance and Transport- I	2. To create awareness regarding basic knowledge about Life Insurance, Fire Insurance and Marine Insurance.
13	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	1. To understand the concept of Business Environment and its aspects
14	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	2. To examine personality competencies most common to majority of successful entrepreneurs and to show how these competencies can be developed or acquired
15	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	3. To generate entrepreneurial inspiration through the study of successful Entrepreneurs
16	B.Com	Semester –I	115-C	Commercial Geography	1.Students Understood the scope and content of commercial geography in relation to spatial distribution of agriculture, forest resources and industrial production


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17	B.Com	Semester –I	115-C	Commercial Geography	2. Acquainted the students about dynamic aspects of commercial geography.
18	B.Com	Semester –I	117-A	Additional English	1. Developed confidence to speak fluent English.
19	B.Com	Semester –I	117-A	Additional English	2.Developed the ability among students to use English language.
20	B.Com	Semester –II	121	Compulsary English-II	3.Students got an overall linguistic competence and communicative skills.
21	B.Com	Semester –II	121	Compulsary English-II	4.Students are developed in oral and written communicative skills, so that their employability enhances and English becomes the medium of their livelihood and personality.
22	B.Com	Semester –II	122	Financial Accounting- II	1. To impart knowledge of various software used in accounting
23	B.Com	Semester –II	122	Financial Accounting- II	2. To impart knowledge about final accounts of charitable trusts
24	B.Com	Semester –II	123	Business Economics (Micro) - II	1. To understand the basic concepts of micro economics.
25	B.Com	Semester –II	123	Business Economics (Micro) - II	2. To understand the tools and theories of economics for solving the problem of decision making by consumers and producers.
26	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	1. To introduce the basic concepts in Finance and Business Mathematics and Statistics
27	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	2. To learn some elementary statistical methods for analysis of data
28	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	1. To develop the working capability of students in banking sector
29	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	2. To Make the Students aware of Banking Business and practices
30	B.Com	Semester –II	126 (B)	Insurance and Transport- II	1. To acquaint students with the concepts of transport.


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31	B.Com	Semester –II	126 (B)	Insurance and Transport- II	2. To create awareness regarding basic knowledge about transportation system in India.
32	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	1. To understand Nature - Comparison between entrepreneurial and non-entrepreneurial,
33	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	2. To understand Role of Entrepreneurship in economy
34	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	3. Students are motivated to prepare their mind set for taking up entrepreneurship as career.
35	B.Com	Semester –II	125-C	Commercial Geography-II	3.Knowledge about dynamic nature and industrial field
36	B.Com	Semester –II	125-C	Commercial Geography-II	4. Awareness about the relationship between the geographical factors and economic activities
37	B.Com	Semester –II	127-A	Additional English-II	1.Developed the ability among students to use English language.
38	B.Com	Semester –II	127-A	Additional English-II	2.Initiated students into the Joy of Reading literary texts.
39	B.Com	Semester –III	231	Business Communication-I	1. To understand the concept, process and importance of communication.
40	B.Com	Semester –III	231	Business Communication-I	2. To develop business communication skills through the application and exercises.
41	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	1.Awareness about the conceptual aspect of corporate accounting.
42	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	2. To update the students with knowledge for preparation of final accounts of a company as per Schedule III of the Companies Act 2013
43	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	1. Exposure to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
44	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	2. Stimulated the students interest by showing the relevance and use of various economic theories.
45	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	1. To provide basic knowledge and understanding about various concepts of Business Management.
46	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	2.Understood the various functions of management
47	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	1.Imparted with the knowledge of fundamentals of Company Law.


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48	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	2. Updated the knowledge of provisions of the Companies Act of 2013.
49	B.Com	Semester –III	236(B)	Banking and Finance-I	1.To provide the knowledge about Indian Banking System.
50	B.Com	Semester –III	236(B)	Banking and Finance-I	2.To create the awareness about the role of banking in economic development.
51	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	To prepare learners to know and understand the basic concepts of cost.
52	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	3. To enable students to prepare a cost sheet.
53	B.Com	Semester –IV	241	Business Communication-II	1.To acquire and develop good communication skills requisite for business correspondence.
54	B.Com	Semester –IV	241	Business Communication-II	2. To develop business communication skills through the application and exercises
55	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	1. To acquaint the student with knowledge of corporate policies of investment for expansion and growth through purchase of stake in or absorption of smaller units.
56	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	2. To introduce the students with the recent trends in the field of accountancy
57	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	1. Exposure to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
58	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	2. Stimulated the students interest by showing the relevance and use of various economic theories.
59	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	1.To provide the knowledge about Motivating the staff
60	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	2. To provide the knowledge about Emerging trends in Business management
61	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW-II	1. To develop general awareness among the students about management of company
62	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW-II	2. To have a comprehensive understanding about Key managerial Personnel of company and their role in Company administration.
63	B.Com	Semester –IV	246(B)	Banking and Finance-II	1.To provide the knowledge of Cooperative Banking in India
64	B.Com	Semester –IV	246(B)	Banking and Finance-II	2.To analyze the functioning of Development Banking
65	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	To know the documents that are used in stores and how to calculate the issuing price of material.


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66	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	To understand recent trends in cost accounting.
67	B.Com	Semester –V	351	Business Regulatory Framework	1. To provide conceptual knowledge about the framework of business Law in India.
68	B.Com	Semester –V	351	Business Regulatory Framework	2. To create awareness among the students about legal environment relating to the Contract Law, Partnership Act, Sale of Goods Act in India.
69	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	1. To acquaint the student with knowledge about various concepts, objectives, and applicability of some important accounting standards.
70	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	2. To update the students with knowledge for preparation of final accounts of a Banking Companies with the provisions of Banking Regulation Act 1949.
71	B.Com	Semester –V	353	Indian & Global Economic Development	1.To develop ability to analyze economic development process of India.
72	B.Com	Semester –V	353	Indian & Global Economic Development	2. To impart knowledge about the relevance of economic practices in modern competitive world.
73	B.Com	Semester –V	354	Auditing	1. To acquaint themselves about the Definition, Nature, Objectives and Advantages of Auditing, Types of Audit, Errors and Fraud, Audit Program, Notebook, Working Paper, Internal Control, Check.
74	B.Com	Semester –V	354	Auditing	2. To get knowledge about concept of Checking, Vouching, Verification and Valuation, Types of Audit Report and Auditing Assurance Standard.
75	B.Com	Semester –V	355-B	Banking and Finance-Special Paper II	1. To acquaint the students with Indian Financial System and its various segments.
76	B.Com	Semester –V	355-B	Banking and Finance-Special Paper II	2. To make the students aware about Indian Money Market.
77	B.Com	Semester –V	355 – e	Cost and Works Accounting. Special Paper II	2. To Introduce the cost accounting standards and the cost accounting standard board.


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78	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	To familiarize the Banking Laws and Practice in correlation to the Banking System in India.
79	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	2. To understand the legal aspects of Banking transactions and its implication as a Banker and as a customer.
80	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	1. To prepare learners to understand the basic techniques in Cost Accounting
81	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	2. To understand the learner, application of Cost Accounting techniques in cost control and decision making.
82	B.Com	Semester –VI	361	Business Regulatory Framework	1. To develop general awareness of Business Law among the students.
83	B.Com	Semester –VI	361	Business Regulatory Framework	2. To understand the various statutes containing regulatory mechanism of business and its relevant provisions including different types of partnerships
84	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	1. To acquaint the student with knowledge about the legal provisions regarding preparation and presentation of final accounts of Co-operative Societies.
85	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	2. To understand the procedure and methods of analysis of financial statements.
86	B.Com	Semester –VI	363	Indian & Global Economic Deve	1. To develop ability of students to analyze economic development process of India.
87	B.Com	Semester –VI	363	Indian & Global Economic Deve	2. To acquaint the students with the knowledge of recent trends in Human Development Index.
88	B.Com	Semester –VI	364	Auditing & Taxation - II	1. To understand the basic concepts of Income Tax Act, 1961 and create awareness of direct taxation among the students.


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89	B.Com	Semester –VI	364	Auditing & Taxation - II	2. To understand the income tax rules and regulations and its provisions.
90	B.Com	Semester –VI	365-B	Banking & Finance-Special Paper II	1. To familiarize students about various basic concepts of stock market.
91	B.Com	Semester –VI	365-B	Banking & Finance-Special Paper II	2. To analyse the types and process of stock trading.
92	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	1. To provide knowledge about the various methods of costing.
93	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	2. To understand the applications of different methods of costing in manufacturing and service industries.
94	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	1. To familiarize students about concept and types cybercrimes in banking
95	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	2. To understand the aspects of paying and collecting banker.
96	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	1. To impart knowledge about Standard Costing and Variance Analysis
97	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	2. To learn about pricing policy and its implementation.
98	B.A.(Geography)	Semester –I	11201	Physical Geography	1. To introduced the concept of physical geography
99	B.A.(Geography)	Semester –I	11201	Physical Geography	2. To understand basic concept of physical geography
100	B.A. Politics	Semester –I	11161	Politics G1	1.Study in detail the political structure both Constitutional and Administrative.
101	B.A Economics	Semester –I	11151	G-1 Indian Economic Environment	1.To provide the students with the background of the Indian Economy with focus on contemporary issues like economic environment.
102		Semester –I	11151	G-1 Indian Economic Environment	2.Ability to develop an understanding of the economic environment and the factors affecting economic environment.


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103	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	1. Create, interest, about Literature.
104	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	2.Aware the students about Marathi Literature, Marathi Language and Marathi Culture.
105	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	3.Developed the sense of awareness about literature amongst student
106	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	1. Developed grammatical skills and accuracy
107	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	2. Developed writing skills and comprehension of literature
108	B.A. ENGLISH	Semester –I	11331	Optional English G1	1. Students are exposed to the basics of literature and language
109	B.A. ENGLISH	Semester –I	11331	Optional English G1	2. Students are familiarized with different types of literature in English, the literary devices and terms so that they Understood the literary merit, beauty and creative use of language
110	B.A.(Geography)	Semester –II	12201	Human Geography	1. To introduced the concept of Human geography
111	B.A.(Geography)	Semester –II	12201	Human Geography	2. To understand basic concept of Human geography
112	B.A. Politics	Semester –II	12161	Politics G1	1. To familiarize students with the working of the Constitution of India. Study the political processes and the actual functioning of the political system .
113	Marathi	Semester –II		Modern Indian language Marathi	1-प्रगत भाषिक कौशल्य यांची क्षमता विकसित करणे
114	B.A Economics	Semester –II	11152	G-1 Indian Economic Environm	1.To familiarize the students with the recent developments in the Indian Economy
115	B.A Economics	Semester –II	11152	G-1 Indian Economic Environm	2.Ability to compare and contrast Indian Economy with other world economies.
116	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	1. Developed vision of literature amongst student
117	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	2.Attended various trends and type of Marathi Literature.


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118	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	3.Developed the capacity of linguistic competence in order to confront the wor global comptition
119	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	1.Students are familiarized with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
120	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	2. Students are exposed to native cultural experiences and situations in order to develop human values and social awareness
121	B.A. ENGLISH	Semester –II	12331	Optional English G1	1. Students are made aware of the basic units of language so that they become aware of the technical aspects and their practical usage
122	B.A. ENGLISH	Semester –II	12331	Optional English G1	2 .Students are prepared to go for detailed study and Understanding of literature and language
123	B.A.(Geogra phy)	Semester –III	23202	Population Geography-I (S1)	1. To understand the history of population
124	B.A.(Geogra phy)	Semester –III	23202	Population Geography-I(S-I)	2. To introduction of the basic concepts in population geography
125	B.A.(Geogra phy)	Semester –III	23203	Practical Geography-I(Scale &	1. To Enable students to use various scales and Projection techniques in Geography
126	B.A.(Geogra phy)	Semester –III	23203	Practical Geography-I(Scale &	2. To Explain the elementary and essential Principles of Practical work in geography
127	B.A.(Geogra phy)	Semester –III	2304	Environmental Geography-I (G	1. To create the awariness about dynamic environment among the student
128	B.A.(Geogra phy)	Semester –III	2304	Environmental Geography-I (G	2. To acquaint the student with fundamental concepts of environment Geography for development in different areas.
129	B.A.(Geogra phy)	Semester –III	23207	Applied Course of Disaster Mar	1. To inculcate critical thinking and Problem- solving abilities on disaster management
130	B.A.(Geogra phy)	Semester –III	23207	Applied Course of Disaster Mar	2. To Enable students to assess the situation and design plan for disaster management


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131	B.A. Politics	Semester –III	23164	Politics G2	1. Study the concepts, ideas and theories in political theory. Role of different political ideologies and their impact in politics.
132	B.A. Politics	Semester –III	23162	Politics Special II	Complex relationship between the communication, media and power politics.
133	B.A. Politics	Semester –III	23165	Politics Special SEC	1. To acquaint students with the important features of the Constitution of India and with the basic framework of Indian Government.
134	Economics	Semester –III	23153	G -2. Financial System-I	1.To understand the recent trends and developments in banking system.
135	Economics	Semester –III	23153	G -2. Financial System -I	2.To understand fundamentals of modern financial system.
136	B.A Economics	Semester –III	23151	S -1. Micro Economics -I	1.To develop an understanding about subject matter of Economics.
137	B.A Economics	Semester –III	23151	S -1. Micro Economics-I	2.To impart knowledge of Micro economics.
138	B.A Economics	Semester –III	23152	S -2. Macro Economics -I	1.To introduce students to the historical background of the emergence of Macro Economics
139	B.A Economics	Semester –III	23152	S -2. Macro Economics-I	2.To familiarize students with various concepts of national income
140	B.A Economics	Semester –III	23154	SEC Basic Concept of Research Methodology -I	1.To develop the understanding of the basic concept of research
141	B.A Economics	Semester –III	23154	SEC Basic Concept of Research Methodology -I	2.To identify various sources of information for data collection
142	B.A. Politics	Semester –III	23161	Politics Special I	Major traditions of thought that have shaped political discourse in different parts of the world. The great diversity of social contexts and philosophical visions.
143	B.A. Marathi	Semester –III	23021	Marathi Special Paper I	1. Made student aware of the historical tradition of Marathi Literature.
144	B.A. Marathi	Semester –III	23021	Marathi Special Paper I	1. Made student aware of Literature on the account of its background and inspiration behind literature and to give knowledge about it's nature
145	B.A. Marathi	Semester –III	23022	Marathi Special Paper II	1. Explore the process of development of the types of literature.


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146	B.A. Marathi	Semester –III	23023	S.Y.B.A Marathi General II	1.Introduced the student of the rules and regulations of the 'Shuddhalekhan'.
147	B.A. Marathi	Semester –III	23023	S.Y.B.A Marathi General II	2. Introduced the student of the rules and regulations of the 'Shuddhalekhan'
148	B.A. Marathi	Semester –III	23025	Marathi SEC2A	
149	B.A. ENGLISH	Semester –III	23001	Compulsory English S.Y.	1.Developed competence among the students for self-learning
150	B.A. ENGLISH	Semester –III	23001	Compulsory English S.Y.	2. Familiarize students with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
151	B.A. ENGLISH	Semester –III	23333	Optional English G2	1. Students are exposed to the basics of short story as one of the literary forms
152	B.A. ENGLISH	Semester –III	23333	Optional English G2	2. Students are familiarized with different types of short stories in English
153	B.A. ENGLISH	Semester –III	23331	English Special I	1. Students are encouraged to Made a detailed study o f a few sample masterpieces of English Drama from different parts of the world
154	B.A. ENGLISH	Semester –III	23331	English Special I	2. Interest is developed among the students to appreciate and analyze drama independently
155	B.A. ENGLISH	Semester –III	23332	English Special II	1.The students are familiarized with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)
156	B.A. ENGLISH	Semester –III	23332	English Special II	2. Students are encouraged to Made a detailed study of a few sample masterpieces of English poetry
157	B.A. ENGLISH	Semester –III	23334	English SEC 2A	1. Enhancing the skill of using english for everyday communication
158	B.A. ENGLISH	Semester –III	23334	English SEC 2A	2. To acquaint the students with the verbal and non-verbal communication
159	B.A.(Geogra phy)	Semester –IV	24202	Population Geography-II (S1)	1. To introduce student to the Population policy of India and China
160	B.A.(Geogra phy)	Semester –IV	24202	Population Geography-II(S-I)	2. To understand the Health indicator in India


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161	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	1. To introduce the Student to the basic and contemporary concept in geography
162	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	2. To introduced the latest concept regarding the modern cartography in the field of geography
163	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	1.. To acquaint the about the past , present and future utility and potentials of natural resources
164	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	2. To make aware student about the problem of environment its utilization and conservation in the view of sustainable development
165	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	1. To develop basic framework to understand the various elements of tourism management
166	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	2. To evaluate the roll of transport in Travel and Tourism industry
167	B.A.(Geography)	Semester –IV	352201	Geography of india -I(S3)	1. To help the students to understand the inter relationship between the subject and the Society
168	B.A. Politics	Semester –IV	24164	Politics G2	2. Explained the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically.
169	B.A. Politics	Semester –IV	24162	Politics Special II	Critical appraisal of practices of political image management, campaigns, propaganda and censorship.
170	B.A. Politics	Semester –IV	24165	Politics Special SEC	1. This paper focuses in detail on the political processes and the actual functioning of the political system. It emphasizes on local influences that derive from social stratification of jatis, from language, religion, ethic and economic determinants and critically assesses its the political processes.
171	B.A Economics	Semester –IV	23153	G -2. Financial System-II	1.To provide the students the intricacies of Indian financial system for better financial decision making.


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172	B.A Economics	Semester –IV	23153	G -2. Financial System -II	2.To provide the knowledge of various financial and non-financial institutions.
173	B.A Economics	Semester –IV	23151	S -1. Micro Economics -II	1.To help the students to prepare for varied competitive examinations
174	B.A Economics	Semester –IV	23151	S -1. Micro Economics-II	2.To develop an understanding of basic theories of micro economics and their application
175	B.A Economics	Semester –IV	23152	S -2. Macro Economics -II	1.To introduce students to the various instruments of monetary and fiscal policies
176	B.A Economics	Semester –IV	23152	S -2. Macro Economics-II	2.To introduce students to the role of monetary and fiscal policies in fulfilling the macroeconomic objectives of stability, full employment and growth.
177	B.A Economics	Semester –IV	23154	SEC Basic Concept of Research Methodology -II	1.To identify various sources of information for data collection
178	B.A Economics	Semester –IV	23154	SEC Basic Concept of Research Methodology -II	2.To develop the understanding of the conducting survey on various issues.
179	B.A. Politics	Semester –IV	24161	Politics Special I	1.The history of political thought as a series of critical, interconnected and open-ended conversations about the ends and means of the good life.
180	B.A. Marathi	Semester –IV	24021	Marathi Special Paper I	2. Made student aware of Literature on the account of its background and inspiration behind literature and to give knowledge about it's nature
181	B.A. Marathi	Semester –IV	24022	Marathi Special Paper II	1. Understood the scope of literature.
182	B.A. Marathi	Semester –IV	24023	S.Y.B.A General II	3. Explained scope of modern Marathi Literature.
183	B.A. Marathi	Semester –IV	24023	S.Y.B.A General II	4.Discussed about story, novel, Auto-biography and biography.
184	B.A. ENGLISH	Semester –IV	24001	Compulsory English S.Y.	1. Developed students' interest in reading literary pieces


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185	B.A. ENGLISH	Semester –IV	24001	Compulsory English S.Y.	2. Exposed them to native cultural experiences and situations in order to develop human values and social awareness
186	B.A. ENGLISH	Semester –IV	24333	Optional English G2	1. Students are Enabled to Understand the literary merit, beauty and creative use of language
187	B.A. ENGLISH	Semester –IV	24333	Optional English G2	2. Students acquired knowledge of some advanced units of language so that they become aware of the technical aspects and their practical usage
188	B.A. ENGLISH	Semester –IV	24331	English Special I	3. Students awareness is enhanced in the aesthetics of Drama and to empower them to evaluate drama independently
189	B.A. ENGLISH	Semester –IV	24331	English Special I	4. Students are acquainted and familiarized the students with the terminology in drama criticism (i.e.the term used in Critical Analysis and Appreciation of drama)
190	B.A. ENGLISH	Semester –IV	24332	English Special II	3.Students' awareness enhanced in the aesthetics of poetry
191	B.A. ENGLISH	Semester –IV	24332	English Special II	4. Students are empowered to read and appreciate poetry as a form of literature
192	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	1. to develop interest among the students to interact in English
193	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	2. to create opportunities to access exposure of speaking in various contexts.
194	B.A.(Geography)	Semester –V	352201	Geography of india -I(S3)	2. To help the students to understand the recent trends in regional Studied
195	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis (S4)	1. To introduced the students with SOI toposheets and acquire the knowledge of toposheet interpretation
196	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis (S4)	2. To introduce the students with weather maps and acquire the knowledge of its interpretation
197	B.A.(Geography)	Semester –V	35205	Geography of Turism -I G-3	1. To understand the types of tourism


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198	B.A.(Geography)	Semester –V	35205	Geography of Tourism -I G-3	2. To gain knowledge different aspects of tourism geography
199	B.A.(Geography)	Semester –V	35206	Research Methodology -I (SEC)	1. To develop the understanding of the basic framework of sampling and data collection
200	B.A.(Geography)	Semester –V	35206	Research Methodology -I (SEC)	2. To develop the understanding of various sampling methods and techniques
201	B.A. Politics	Semester –V	35162	Politics Special IV	1. This paper deals with concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences with in the different theoretical paradigms. Approaches to the Study of International Relations
202	B.A. Politics	Semester –V	35162	Politics Special IV	2. Study the Changing Nature of the National Power . The dominant theories of power and the question of equity and justice, the different aspects of balance of power leading to the present situation of a unipolar world are included.
203	B.A Economics	Semester –V	35153	G3 Indian Economic Development	1.To explain the characteristics of Developing and Developed Countries
204	B.A Economics	Semester –V	35153	G3 Indian Economic Development	2.To relate and recognize the concept and indicators of Economic Development.
205	B.A Economics	Semester –V	35151	S3 International Economics-I	1.To relate and recall the concepts of International Economics and International Trade.
206	B.A Economics	Semester –V	35151	S3 International Economics-I	2.To describe and apply the theories of international trade.
207	B.A Economics	Semester –V	35152	S4 Public Finance -I	1.To make students to analyze the role of Public Finance in Economic Development.
208	B.A Economics	Semester –V	35152	S4 Public Finance -I	2. To know the sources of Revenue, Expenditure and Debt of Govt. of India.
209	B.A Economics	Semester –V	35154	SEC Business Management-I	1.To develop Management of Business.


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210	B.A Economics	Semester –V	35154	SEC Business Management-I	2.Leadership Skills- Ability to work in teams at the same time, ability to show leadership qualities
211	B.A. Politics	Semester –V	35163	Politics G3	This course will introduce the overall scope of the sub-discipline of Modern Political Analysis. The focus of the course will be on the Modern Political Analysis of Power. The emphasis is on the nature of power in modern societies. More in the form of organizations an social formations than as individual power.
212	B.A. Politics	Semester –V	35161	Politics Special III	This paper is an introductory course in Public Administration. The essence of Public Administration lies in its effectiveness in translating the governing philosophy into programmes, policies and activities and making it a part of community living.
213	B.A. Politics	Semester –V	35162	Politics Special IV	1. This paper deals with concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences with in the different theoretical paradigms. Approaches to the Study of International Relations
214	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	3. Understood the process of origin Literature.
215	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	4. Understood the language of literature.
216	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	1. Informed the students language and its scope and nature.
217	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	2. Understood various angles of study of Marathi Language.
218	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	1.Discussed about story, novel, Auto-biography and biography.
219	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	2.Explained importance of auto-biography and biography.
220	B.A. Marathi	Semester –V	35025	Marathi SEC2C (2)	


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221	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	1. Introduced students to the best uses of language in literature.
222	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	2. Familiarized students with the communicative power of English
223	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	3. Enabled students to become competent users of English in real life situations
224	B.A. ENGLISH	Semester –V	35333	Optional English G3	1. students are made see how Indian English poetry expresses the ethos and culture of India
225	B.A. ENGLISH	Semester –V	35333	Optional English G3	2. Student Understood creative uses of language in Indian English Poetry
226	B.A. ENGLISH	Semester –V	35333	Optional English G3	3. Introduced students to some advanced areas of language study
227	B.A. ENGLISH	Semester –V	35331	English Special III	1. students familiarized to the basics of novel as a literary form
228	B.A. ENGLISH	Semester –V	35331	English Special III	2. students are exposed to the historical development and nature of novel
229	B.A. ENGLISH	Semester –V	35331	English Special III	3. students are made aware of different types and aspects of novel
230	B.A. ENGLISH	Semester –V	35332	English Special IV	1. students made aware of selected approaches to literature
231	B.A. ENGLISH	Semester –V	35332	English Special IV	2. students are familiarized to the basics of literary criticism
232	B.A. ENGLISH	Semester –V	35332	English Special IV	3. students are made aware of the nature and historical development of criticism
233	B.A. ENGLISH	Semester –V	35334	English SEC 2C	1. to develop overall personality of the students.
234	B.A. ENGLISH	Semester –V	35334	English SEC 2C	2. to equip the students with social skills.
235	B.A.(Geogra phy)	Semester –VI	36201	Geography of india -II(S3)	1. To acquaint the student with geography of our nation
236	B.A.(Geogra phy)	Semester –VI	36201	Geography of india -II(S3)	2. To make the student aware of the magnitude of problems and prospectus at national Level


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237	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursi./ Village/ Project Report (S4)	1. To understand the concept Geographical data and its basic analysis for students
238	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursi./ Village/ Project Report (S4)	2. To understand the concept of testing and application of hypothesis
239	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	1. To understand the history of Tourism
240	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	2. To introduced the students to the basic concepts in tourism geography
241	B.A.(Geography)	Semester –VI	36206	Reaserch Methodology -II (SEC)	1. To identify various Sources of information for data Collection
242	B.A.(Geography)	Semester –VI	36206	Reaserch Methodology -II (SEC)	2. Understanding of the Conducting survey on various issues and develop the report writing skill of student
243	B.A Economics	Semester –VI	35153	G3 Indian Economic Developme	1.To describe and explain the process of Economic Planning
244	B.A Economics	Semester –VI	35153	G3 Indian Economic Developme	2.To describe and explain the relation between Economic Development and Environment.
245	B.A Economics	Semester –VI	35151	S3 International Economics-II	1.Ability to relate and explain the concept of Exchange Rate and Foreign Exchange Market.
246	B.A Economics	Semester –VI	35151	S3 International Economics-I	2.Ability to describe the trends in Growth, Composition and Direction of India's Foreign Trade.
247	B.A Economics	Semester –VI	35152	S4 Public Finance -II	1.To describe and analyze the concept of Deficit Financing and its effects.


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248	B.A Economics	Semester –VI	35152	S4 Public Finance -II	2.To explain and assess the components and instruments of Fiscal Policy
249	B.A Economics	Semester –VI	35154	SEC Business Management-II	1.Analytical Skills – Ability to analyze data collected and interpret in the most logical manner
250	B.A Economics	Semester –VI	35154	SEC Business Management-II	2.Project Report Writing Skills- Ability to comprehend and illustrate/demonstrate findings
251	B.A. Politics	Semester –VI	35163	Politics G3	Students are also expected to understand different forms of justifications of power and the role of ideology in this regard. State will be studied as a repository of power in society while class and patriarchy are two instance of how the nature of power is shaped by social factors
252	B.A. Politics	Semester –VI	35161	Politics Special III	The paper covers personnel public administration in its historical context thereby proceeding to highlight several of its categories, which have developed administrative salience and capabilities to deal with process of change. The recent developments and particularly the emergence of New Public Administrations are incorporated within the larger paradigm of democratic legitimacy.
253	B.A. Politics	Semester –VI	35162	Politics Special IV	2. Study the Changing Nature of the National Power . The dominant theories of power and the question of equity and justice, the different aspects of balance of power leading to the present situation of a unipolar world are included.
254	B.A. Politics	Semester –VI	35165	Politics Special SEC	This course is and introduction to the political process in Maharashtra with special reference to regionalism sub-regionalism and Samyukta Maharashtra Movement. The aim of the course is that students are expected to understand both the historical evolution of Maharashtra's politics and different analyses of politics of the state
255	B.A. Marathi	Semester –VI	35021	Marathi Special Paper III	1 . Understood the artistic value of literature.
256	B.A. Marathi	Semester –VI	35021	Marathi Special Paper III	2.Know the co-relation between Literature & Society


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257	B.A. Marathi	Semester –VI	35022	Marathi Special Paper IV	1. Informed the students about the descriptive, Historical and comparative method, scope and difference of language.
258	B.A. Marathi	Semester –VI	35022	Marathi Special Paper IV	2. Made aware of the students about system of Marathi Language.
259	B.A. Marathi	Semester –VI	35025	Marathi SEC2D (2)	
260	B.A. ENGLISH	Semester –VI	36001	Compulsory English T.Y.	1. Exposed students to varied cultural experiences through literature
261	B.A. ENGLISH	Semester –VI	36001	Compulsory English T.Y.	2. Contributed to their overall personality development by improving their communicative and soft skills
262	B.A. ENGLISH	Semester –VI	36333	Optional English G3	1. prepared students to go for detailed study and Understanding of literature and language
263	B.A. ENGLISH	Semester –VI	36333	Optional English G3	2.students are exposed to some of the best samples of Indian English Poetry
264	B.A. ENGLISH	Semester –VI	36331	English Special III	1. literary sensibility and sense of cultural diversity is developed in students
265	B.A. ENGLISH	Semester –VI	36331	English Special III	2.students are exposed to some of the best examples of novel
266	B.A. ENGLISH	Semester –VI	36331	English Special III	3. Developed the skills to critically examine novels independently
267	B.A. ENGLISH	Semester –VI	36332	English Special IV	1. students are familiarized with the significant critical approaches and terms
268	B.A. ENGLISH	Semester –VI	36332	English Special IV	2. students are encouraged to interpret literary works in the light of the critical approaches
269	B.A. ENGLISH	Semester –VI	36332	English Special IV	3. Developed students' aptitude for critical analysis
270	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	1. to train the students interpersonal skills.
271	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	2. to enhance leadership qualities.
272	M.Com	Semester –I	101	Management Accounting	1.The objective of the course is to Enabled students t o acquire sound Knowledge of concepts, methods and techniques of management accounting.


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273	M.Com	Semester –I	101	Management Accounting	2.Made the students develop competence with their usage in managerial decision making and control
274	M.Com	Semester –I	103	Advanced Accounting I	1.Lay a theoretical foundation of Accounting and Accounting Standards.
275	M.Com	Semester –I	103	Advanced Accounting I	2.Gain ability to solve problems relating to Company Accounts, Valuations and special types of situations.
276	M.Com	Semester –I	103	Advanced Accounting I	3.Made the students acquainted with the procedure, Practice and Regulation of Accountancy
277	M.Com	Semester –I	104	Income Tax II	1.Gain knowledge of the provisions of Income - tax including Rules pertaining there to, relating to the following topics.
278	M.Com	Semester –I	104	Income Tax II	2.Developed ability to calculate taxable Income of 'Individual', 'Hindu Undivided Family' and 'Firm' assesses.
279	M.Com	Semester –II	201	Financial Analysis and Control	1.The objective of the course is to Enable students to acquire sound knowledge of concepts, methods and techniques of management accounting
280	M.Com	Semester –II	201	Financial Analysis and Control	2. Made the students develop competence with their usage in managerial decision making and control.
281	M.Com		202	Industrial Economics	1.Studied the basic concepts of Industrial Economics .
282	M.Com	Semester –II	202	Industrial Economics	2.Studied the significance and problems of Industrialization.
283	M.Com	Semester –II	202	Industrial Economics	3.Studied the impact of Industrialization on Indian Economy.
284	M.Com	Semester –II	203	Specialized Areas In Accounting III	1.Developed competency of students to solve problems relating Special areas in accounting including accounting for Services Sector.
285	M.Com	Semester –II	203	Specialized Areas In Accounting III	2.Understood of Financial Reporting Practices.
286	M.Com	Semester –II	203	Specialized Areas In Accounting III	3 students are familiarized with procedure of accounting for Taxation.
287	M.Com	Semester –II	204	Business Tax assesment and Planning IV	1.Provided Understanding of Direct Taxes including Rules pertaining there to and their application to different business situations.
288	M.Com	Semester –II	204	Business Tax assesment and Planning IV	2. students are understood principles underlying the Service Tax .


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289	M.Com	Semester –II	204	Business Tax assesment and Planning IV	3.Understood basic concepts of VAT, Excise Duty and Customs Duty
290	M.Com	Semester –III	301	Business Finance	1.students acquired sound knowledge of concepts, nature and structure of business finance.
291	M.Com	Semester –III	302	Research Methodology for Business	1.the students are acquainted with the areas of Business Research Activities.
292	M.Com	Semester –III	302	Research Methodology for Business	2.Enhanced capabilities of students to conduct the research in the field of business and social sciences.
293	M.Com	Semester –III	302	Research Methodology for Business	3.Enabled students, in developing the most appropriate methodology for their research studies.
294	M.Com	Semester –III	302	Research Methodology for Business	4.Made them familiar with the art of using different research methods and techniques.
295	M.Com	Semester –III	303	Advanced Auditing V	1. Imparted knowledge and develop Understanding of methods of auditing and their application.
296	M.Com	Semester –III	304	Specialized Areas In Auditing VI	1. Imparted knowledge and develop Understanding of methods of audit in Specialized areas.
297	M.Com	Semester –IV	401	Capital Market and Financial services	1. Enabled students to acquire sound knowledge, concept and structure of capital market and financial services.
298	M.Com	Semester –IV	402	Industrial Economics Environment	1.Studied the basic concepts of Industrial Finance
299	M.Com	Semester –IV	402	Industrial Economics Environment	2. Studied the effects of New Economic Policy.
300	M.Com	Semester –IV	402	Industrial Economics Environment	3. Studied the impact of Labor reforms on Industries.
301	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	1. Up-dated the students with latest developments in the Subject
302	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	2. Inculcated the habit of referring to various periodicals and publications in the given subject, apart from text books and reference books
303	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	3.Developed the ability to read, Understood, interpret and summarize various articles from newspapers, journals


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304	M.Com	Semester –IV	102	Strategic Management	1: Stuentns are understood Strategic management in framing the policies and administration in adverse condition of the business.
305	M.Com	Semester –IV	103	Advanced accounting	1. Students acquiented with the procedure, Pratices and Regulation of Accountancy
306	M.Com	Semester –IV	204	Business Tax assessment and planning	1:Taxation procedure policies and regulations are imporant aspect in business which is core value of the subject.
307	M.Com	Semester –IV	301	Business Finance	1: The Students are known about financial aspects of the business.
308	M.Com	Semester –IV	202	Industrial Economics	1: The Economical aspects related to industries are inculcated for the post graduate studnet in the curriculum.
309	M.Com	Semester –IV	403	Recent Advances in Accounting, Taxation & Auditing.	1. To enable the students to be abreast with the latest advances in the field of Accounting.
310	M.Com	Semester –IV	401	Capital Market and Financial Services	1. Student acquiented with the capital market so that they can enculcate the knowledge of raising the capital.
311	M.Com	Semester –IV	404	Project Work	1: The Students are developed anayltical mind in the subject
312	BBA[CA]	Semester –I	CA-101	Business Communication	1. To understand what is the role the role of communication in personal and business world. 2. To understand system and communication and their utility 3. To develop proficiency in how to write business letters and other communications in required.
313	BBA[CA]	Semester –I	CA-102	Principles of Management	1. To examining how various management principles 2.To develop managerial skills among the students. 3.To understand basic concept regarding org. Business Administration.


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314	BBA[CA]	Semester –I	CA-103	C Language	1.Student learned Decision making, structure, Union & all basics of C programming language, 2. Explore algorithmic approaches to problem solving. 3. Develop modular programs using control structures and arrays in ‘C’.
315	BBA[CA]	Semester –I	CA-104	Database Management System	1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL.
316	BBA[CA]	Semester –I	CA-105	Statistics	1. To understand role and importance of statistics in various business situations 2. To develop skills related with basic statistical technique 3. Develop right understanding regarding regression, correlation and data interpretation
317	BBA[CA]	Semester –I	CA-106	Computer Laboratory Based on 103 &104 (2 credits each)	Students will be able to : 1 Devise pseudocodes and flowchart for computational problems. 2 Write, debug and execute simple programs in ‘C’. 3 Create database tables in Oracles. 4 Write and execute simple, nested queries. Guidelines
318	BBA[CA]	Semester –I	CA-107	Add-On (PPA) (30 Hours)	1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays . 3.Design and analysis of major classes of algorithm.


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319	BBA[CA]	Semester –II	CA-201	Organization Behavior & Human Resource Management	1.To understand basic concepts of OB and HRM. 2. To make aware students about traditional & modern methods of procurement & development in organization. 3. To know the major trends in HRM & OB
320	BBA[CA]	Semester –II	CA-202	Financial Accounting	1.To develop right understanding regarding role and importance of monetary and financial transactions in business 2. To cultivate right approach towards classifications of different transactions and their implications 3. To develop proficiency preparation of basic financial as to how to write basis accounting statement - Trading and P&L
321	BBA[CA]	Semester –II	CA-203	Business Mathematics	1.To understand role and importance of Mathematics in various business situations and while developing softwares. 2.To develop skills related with basic mathematical technique.
322	BBA[CA]	Semester –II	CA-204	Relational Database	1. Enables students to understand relational database concepts and transaction management concepts in database system. 2. Enables student to write PL/SQL programs that use: procedure, function, package, cursor and trigger.
323	BBA[CA]	Semester –II	CA-205	Web Technology HTML-JS-CSS	1.To know & understand concepts of internet programming. 2. To understand how to develop web based applications using JavaScript.


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324	BBA[CA]	Semester –II	CA-206	Computer Laboratory Based on 204 & 205(2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
325	BBA[CA]	Semester –II	CA_207	Add-On (Advance C) (30 Hours)	1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using C.
326	BBA[CA]	Semester –III	CA-301	Digital Marketing	1. The aim of this syllabus is to give knowledge about using digital marketing in and as business. 2. To make SWOT analysis, SEO optimization and use of various digital marketing tools.
327	BBA[CA]	Semester –III	CA-302	Data Structure	1. To understand the concepts of ADTs 2. To learn linear data structures – lists, stacks, and queues 3. To understand sorting, searching and hashing algorithms 4. To apply Tree and Graph structures
328	BBA[CA]	Semester –III	CA-303	Software Engineering	1. To understand System concepts. 2. To understand Software Engineering concepts. 3. To understand the applications of Software Engineering concepts and Design in Software development.


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329	BBA[CA]	Semester –III	CA-304	PHP	<ol style="list-style-type: none"> 1. Understand how server-side programming works on the web. 2. Using PHP built-in functions and creating custom functions 3. Understanding POST and GET in form submission. 4. How to receive and process form submission data. 5. Read and process data in a MySQL database.
330	BBA[CA]	Semester –III	CA-305	Big data	<ol style="list-style-type: none"> 1. To enable learners to develop expert knowledge and analytical skills in current and developing areas of analysis statistics, and machine learning 2. To enable the learner to identify, develop and apply detailed analytical, creative, problem solving skills. 3. Provide the learner with a comprehensive platform for career development, innovation and further study.
331	BBA[CA]	Semester –III	CA-306	Computer Laboratory Based on 302 , 304 and 305 (2 credits each)	<p>Students will be able to :</p> <ol style="list-style-type: none"> 1. Practical and Actual working of constructing programs is done by students.
332	BBA[CA]	Semester –III	307 AECC	Environment Awareness	<ol style="list-style-type: none"> 1. To provide an opportunities to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment 2. To develop conscious towards a cleaner and better managed environment


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333	BBA[CA]	Semester –IV	CA-401	Networking	1. To gain knowledge about Computer Networks concepts. 2. To know about working of networking models, addresses, transmission medias and connectivity devices. 3. To acquire information about network security and cryptography.
334	BBA[CA]	Semester –IV	CA-402	Object Oriented Concepts Through CPP	1. Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design. 2. Enable students to write programs using C++ features like operator overloading, constructor and destructor, inheritance, polymorphism and exception handling.
335	BBA[CA]	Semester –IV	CA-403	Operating System	1. To know the services provided by Operating System 2. To know the scheduling concept 3. To understand design issues related to memory management and various related algorithms. 4. To understand design issues related to File management and various related algorithms
336	BBA[CA]	Semester –IV	CA-404	Advance PHP	1. To know & understand concepts of internet programming. 2. Understand how server-side programming works on the web. 3. Understanding How to use PHP Framework (Joomla / Druple)


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337	BBA[CA]	Semester –IV	CA-405	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
338	BBA[CA]	Semester –IV	CA-406	Computer Laboratory Based on 402,404 (2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
339	BBA[CA]	Semester –IV	CA-407	ADD-On (30 Hours) JQuery	1.Learn how to enhance their web application using the JQuery script library. 2.Jquery can enhance productivity. 3.Client side data binding techniques.
340	BBA[CA]	Semester –V	CA-501	Cyber Security	1. Have a good understanding of Cyber Security and the Tools. 2. Identify the different types of Cyber Crimes. 3. Have a good understanding of Cyber laws 4. To develop Cyber forensics awareness. 5. Identify attacks, security policies and credit card frauds in mobile and Wireless Computing Era
341	BBA[CA]	Semester –V	CA-502	OOSE	1. Students will be able to give Design Specifications for Project. 2. Students will acquire Knowledge in Basic Modeling. 3. Students will acquire Project Management Skills.


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342	BBA[CA]	Semester –V	CA-503	Core Java	<ol style="list-style-type: none"> 1. Able to solve real world problems using OOP techniques. 2. Able to understand the use of abstract classes. 3. Able to solve problems using java collection framework and I/o classes. 4. Able to develop multithreaded applications with synchronization. 5. Able to develop applets for web applications. Able to design GUI based applications
343	BBA[CA]	Semester –V	CA-504	Python	<ol style="list-style-type: none"> 1. Define and demonstrate the use of built-in data structures “lists” and “dictionary”. 2. Design and implement a program to solve a real world problem. 3. Design and implement GUI application and how to handle exceptions and files.
344	BBA[CA]	Semester –V	CA-505	Project	Students will be able to : <ol style="list-style-type: none"> 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
345	BBA[CA]	Semester –V	CA-506	Computer Laboratory Based on 503 and 504(2 credits each)	Students will be able to : Practical and Actual working of constructing programs is done by students.
346	BBA[CA]	Semester –V	CA_507	Add on Course-IOT(30 Hours)	Students will be able <ol style="list-style-type: none"> 1. To explain key technologies, smart objects, IoT Architecture and security in Internet of Things. 2. To illustrate the role of IoT protocols for efficient network communication. 3. To understand IoT platform such as Arduino Uno.


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347	BBA[CA]	Semester –VI	CA-601	Recent Trends in Information Technology(Tutorial/Assignment)	On completion of the course, student will be able 1. To discuss the basic concepts AI. 2. To apply basic, intermediate and advanced techniques to mine the data. 3. To provide an overview of the concept of Spark programming.
348	BBA[CA]	Semester –VI	CA-602	Software Testing	1. Students will be introduced to testing tools. 2. Students will acquire Knowledge of Basic SQA. 3. Students will be able to design basic Test Cases.
349	BBA[CA]	Semester –VI	CA-603	Advanced Java	1. Students will know the concepts of JDBC Programming. 2. Students will know the concepts of Multithreading and Socket Programming. 3. Students will know the concepts of Spring and Hibernate. 4. Students will develop the project by using JSP and JDBC. 5. Students will develop applications in Spring and hibernate.
350	BBA[CA]	Semester –VI	CA-604	Dot Net framework	1. Use the features of Dot Net Framework along with the features of VB, C# and ASP 2. Design and develop window based and web based .NET applications. 3. Design and develop a Website. 4. Design and Implement database connectivity using ADO.NET for VB, C# and ASP.


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351	BBA[CA]	Semester –VI	CA-605	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
352	BBA[CA]	Semester –VI	CA-606	Computer Laboratory Based on 603 and 604(2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
353	BBA[CA]	Semester –VI	CA-607	Add on Course-Soft Skills Training	1. It helps participants to communicate effectively and to carry themselves confidently. 2. They also learn how to identify and overcome the barriers in interpersonal relationships.
354	B.Sc(CS)	Semester –I	CS-111	Problem solving using Computer & C Programming	Students will be able to : 1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays in 'C'.
355	B.Sc(CS)	Semester –I	CS-112	Database Management system	student will be able to– 1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL.


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356	B.Sc(CS)	Semester –I	CS-113	Practical Course based on CS111 and CS112	<p>students will be able to :</p> <p>1 Devise pseudocodes and flowchart for computational problems.</p> <p>2 Write, debug and execute simple programs in ‘C’.</p> <p>3 Create database tables in postgresQL.</p> <p>4 Write and execute simple, nested queries.</p> <p>Guidelines :</p>
357	B.Sc(CS)	Semester –I	MTC-111	Matrix Algebra	<p>student will be able to:</p> <p>1) A students should be able to work with graphs and identify certain parameters and properties of the given graphs.</p> <p>2) A students should be able to perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms.</p>
358	B.Sc(CS)	Semester –I	MTC-112	Discrete Mathematics	<p>student will be able to:</p> <p>1) A students should be able to solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y.</p> <p>2) A students should develop an appreciation for the literature on the subject and be able to read and present results from the literature.</p>


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359	B.Sc(CS)	Semester –I	MTC-113	Mathematics Practical based on MTC-112 AND MTC 111	student will be able to: 1)A students should be able to write cohesive and comprehensive solutions to exercises and be able to defend their arguments.
360	B.Sc(CS)	Semester –I	ELC-111	Semiconductor Devices and Basic Electronic Systems	1. To study various types of semiconductor devices 2. To study elementary electronic circuits and systems
361	B.Sc(CS)	Semester –I	ELC-112	Principles of Digital Electronics	1. To get familiar with concepts of digital electronics 2. To learn number systems and their representation
362	B.Sc(CS)	Semester –I	ELC-113	Electronics Lab based on ELC-111 and ELC-112	1. To understand basic logic gates, Boolean algebra and K-maps 2. To study arithmetic circuits, combinational circuits and sequential circuits
363	B.Sc(CS)	Semester –I	CSST-111	Descriptive Statistics	Student will be able to– 1) To tabulate and make frequency distribution of the given data. 2) To use various graphical and diagrammatic techniques and interpret.
364	B.Sc(CS)	Semester –I	CSST-112	Mathematical Statistics	Student will be able to– 1) To compute various measures of central tendency, dispersion, Skewness and kurtosis. 2) To fit the Binomial and Poisson distributions. 3) To compute the measures of attributes.


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365	B.Sc(CS)	Semester –I	CSST-113	Statistics Practical based on CSST-111 and CSST-112	Student will be able to– 1) The process of collection of data, its condensation and representation for real life data. 2) To study free statistical softwares and use them for data analysis in projec
366	B.Sc(CS)	Semester –II	CS-121	Advanced C-Programming	Student will be able to :- 1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using C.
367	B.Sc(CS)	Semester –II	CS-122	RDBMS	Student will be able to– 1 Design E-R Model for given requirements and convert the same into database tables. 2 Use database techniques such as SQL & PL/SQL. 3 Explain transaction Management in relational database System. 4 Use advanced database Programming concepts
368	B.Sc(CS)	Semester –II	CS-123	Computer Science Lab Course based on 121 and 122	Students will be able to : 1 Write, debug and execute programs using advanced features in 'C'. 2 To use SQL & PL/SQL. 3 To perform advanced database operations


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369	B.Sc(CS)	Semester –II	MTC-121	Linear Algebra	<p>1.A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays , state important facts resulting from their studies.</p> <p>2 A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.</p>
370	B.Sc(CS)	Semester –II	MTC-122	Graph Theory	<p>1.A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.</p> <p>2. A student be able to apply their skills and knowledge ,that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.</p>


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371	B.Sc(CS)	Semester –II	MTC-123	Lab Course based on MTC-121 and MTC 122	<p>1. A student should be made aware of history of mathematics and hence of its past, present and future role as part of our culture.</p> <p>2. A student be able to apply their skills and knowledge ,that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.</p>
372	B.Sc(CS)	Semester –II	ELC-121	InstrumentationSystems	<p>1. To study Instrumentation System</p> <p>2. To study various blocks of Instrumentation System</p> <p>3. To study Smart Instrumentation System</p>
373	B.Sc(CS)	Semester –II	ELC-122	Basics of Computer Organization	<p>1. To get familiar digital sequential circuits</p> <p>2. To study Basic computer Organization</p> <p>3. To study Memory architecture</p>
374	B.Sc(CS)	Semester –II	ELC-123	Lab Course based on ELC-121 and ELC-122	<p>1. To study Instrumentation System</p> <p>2. To study various blocks of Instrumentation System</p> <p>3. To study Smart Instrumentation System</p> <p>4. To get familiar digital sequential circuits</p> <p>5. To study Basic computer Organization</p> <p>6. To study Memory architecture</p>
375	B.Sc(CS)	Semester –II	CSST-121	Methods of Applied Statistics	<p>Student will be able to :-</p> <p>1 To fit various regression models and to find best fit.</p> <p>2 To fit the Normal distribution.</p>


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376	B.Sc(CS)	Semester –II	CSST-122	Continuous Probability Dist. & Testing of hypothesis	Students will be able to 1) To understand the relationship between two variables using scatter plot. 2) To compute coefficient of correlation, coefficient of regression. 3) To understand the trend in time series and how to remove it.
377	B.Sc(CS)	Semester –II	CSST-123	Lab Course based on CSST-121 and CSST-122	Student will be able to :- 1. To generate model sample from given distributions. 2.To understandthe importance and functions of different statistical organizations in the development of nation.
378	B.Sc(CS)	Semester –III	CS-231	Data structures and Algorithms	1. To use well-organized data structures in solving various problems. 2. To differentiate the usage of various structures in problem solution. 3. Implementing algorithms to solve problems using appropriate data structures.
379	B.Sc(CS)	Semester –III	CS-232	software Engineering	1. Compare and chose a process model for a software project development. 2. Identify requirements analyze and prepare models. 3. Prepare the SRS, Design document, Project plan of a given software system


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380	B.Sc(CS)	Semester –III	CS-233	Practical Course based on CS 232 and CS 233	1.Practical and Actual working of constructing data structure programs is done by students. 2.The students work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, and the final reporting
381	B.Sc(CS)	Semester –III	MTC-231	Groups & Coding Theory	1. A student should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays, state important facts resulting from their studies
382	B.Sc(CS)	Semester –III	MTC-232	Numerical Techniques	1. A student should get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
383	B.Sc(CS)	Semester –III	MTC-233	Mathematics Practical : Python Programming Language	1.A student should get adequate exposure to global and local concerns that explore them many aspects of Mathematical Sciences.
384	B.Sc(CS)	Semester –III	ELC-231	Micro Controller Architecture & Programming	student will be able 1. To write programs for 8051 microcontroller 2. To interface I/O peripherals to 8051 microcontroller 3. To design small microcontroller based projects


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385	B.Sc(CS)	Semester –III	ELC-232	Digital Communication & Networking	<p>student will be able</p> <ol style="list-style-type: none"> 1. Define and explain terminologies of data communication 2. Understand the impact and limitations of various digital modulation techniques 3. To acknowledge the need of spread spectrum schemes. 4. Identify functions of data link layer and network layer while accessing communication link 5. To choose appropriate and advanced techniques to build the computer network
386	B.Sc(CS)	Semester –III	ELC-233	Electronics Lab Practical Course (ELC-233)	<p>student will be able</p> <ol style="list-style-type: none"> 1. To design and build his/her own microcontroller based projects. 2. To acquire skills of Embedded C programming 3. To know multiplexing and modulation techniques useful in developing wireless application 4. Do build and test own network and do settings. <p>Guidelines for</p>


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387	B.Sc(CS)	Semester –III	AECC-I	Environment Awareness-I	<p>1.Master core concepts and methods from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions.</p> <p>2.Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.</p> <p>3.Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales.</p> <p>4.Apply systems concepts and methodologies to analyze and understand interactions between social and environmental processes.</p>
388	B.Sc(CS)	Semester –III	AECC-II	Language Communication-I	<p>1.Students will heighten their awareness of correct usage of English grammar in writing and speaking Students will improve their speaking ability in English both in terms of fluency and comprehensibility</p> <p>2.Students will give oral presentations and receive feedback on their performance</p> <p>3.Students will increase their reading speed and comprehension of academic articles</p>
389	B.Sc(CS)	Semester –IV	CS-241	Data Structures & Algorithms I	<p>1. Implementation of different data structures efficiently</p> <p>2. Usage of well-organized data structures to handle large amount of data</p> <p>3. Usage of appropriate data structures for problem solving</p>


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390	B.Sc(CS)	Semester –IV	CS-242	Computer Network-I	<ol style="list-style-type: none"> 1. Have a good understanding of the OSI and TCP/IP Reference Models and in particular have a good knowledge of Layers. 2. Understand the working of various protocols. 3. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies
	B.Sc(CS)	Semester –IV	CS-243	Practical Course based on CS 241 and CS 242	<ol style="list-style-type: none"> 1. Practical and Actual working of constructing data structure programs is done by students. 2. computer networking assignments
391	B.Sc(CS)	Semester –IV	ELC-241	Embedded System Design	<p>On completion of the course, student will be able</p> <ol style="list-style-type: none"> 1. To understand the difference between general computing and the Embedded systems. 2. To know the fundamentals of embedded systems. 3. Understand the use of Single board Computer (Such as Raspberry Pi) for an embedded system application. 4. Familiar with the programming environment to develop embedded systems and their interfaces with peripheral devices. 5. To develop familiarity with tools used to develop in an embedded environment.


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392	B.Sc(CS)	Semester –IV	ELC-242	Wireless Comm. & Internet of Things	Students will be able to 1. Know working of wireless technologies such as Mobile communication, GSM, GPRS 2. Become familiar with 3G and 4G Cellular Network Technologies for Data Connections. 3. Understand working principles of short range communication application 4. Get introduced to upcoming technology of Internet of Things 5. Explore themselves and develop new IoT based applications
	B.Sc(CS)	Semester –IV	ELC-243	Practical Course based on and ELC-241 AND ELC-242	students will be able 1. To design and develop own smart applications using Raspberry-Pi 2. To write Python program for simple applications 3. To build own IoT based system
	B.Sc(CS)	Semester –IV	MTC-241	Computational Geometry	1. A student be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
393	B.Sc(CS)	Semester –IV	MTC-242	Operation Research	1. A student should be made aware of history of mathematics and hence of its past, present and future role as part of our culture.


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394	B.Sc(CS)	Semester –IV	MTC-243	Practical Course based on MTC-241 and MTC-242	1.A student be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.
395	B.Sc(CS)	Semester –IV	AECC-I	Environmental Awareness-II	1.Students develop critical-thinking skills, analyze real-world problems, and understand the power of narrative to create sustainable solutions for local and global communities.
396	B.Sc(CS)	Semester –IV	AECC-II	Language Communication –II	1.Students will improve their reading fluency skills through extensive reading 2.Students will enlarge their vocabulary by keeping a vocabulary journal 3.Students will strengthen their ability to write academic papers, essays and summaries using the process approach.
397	B.Sc(CS)	Semester –V	CS-351	Operating Systems – I	1. Processes and Thread Scheduling by operating system 2. Synchronization in process and threads by operating system 3. Memory management by operating system using with the help of various schemes


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398	B.Sc(CS)	Semester –V	CS-352	Computer Networks – II	1.Student will understand the different protocols of Application layer. 2.Develop understanding of technical aspect of Multimedia Systems 3. Develop various Multimedia Systems applicable in real time. 4.Identify information security goals. 5. Understand, compare and apply cryptographic techniques for data security.
399	B.Sc(CS)	Semester –V	CS-357	Practical course based on CS 35	1. To understand the concept of process scheduling with the help of simulation. 2. To study the concept demand paging concepts in operating system. 3. To understand the working of operating system shell.
400	B.Sc(CS)	Semester –V	CS-353	Web Technologies – I	1.To Design dynamic and interactive Web pages. 2.To Learn Core-PHP, Server Side Scripting Language 3.To Learn PHP-Database handling


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401	B.Sc(CS)	Semester –V	CS-354	Foundations of Data Science	1. Perform Exploratory Data Analysis 2. Obtain, clean/process, and transform data. 3. Detect and diagnose common data issues, such as missing values, special values, outliers, inconsistencies, and localization. 4. Demonstrate proficiency with statistical analysis of data. 5. Present results using data visualization techniques. 6. Prepare data for use with a variety of statistical methods and models and recognize how the quality of the data and the means of data collection may affect conclusions.
402	B.Sc(CS)	Semester –V	CS-358	Practical course based on CS 353 and CS 354	1.To Design dynamic and interactive Web pages. 2.To Learn Core-PHP, Server Side Scripting Language 3.To Learn PHP- Database handling 4.To apply statistical, data preprocessing and visualization techniques on data sets
403	B.Sc(CS)	Semester –V	CS-355	Object Oriented Programming using Java-I	1.To learn Object Oriented Programming language 2. To study various java programming concept like Interface, File and Exception Handling etc. 3.To design User Interface using Swing and AWT
404	B.Sc(CS)	Semester –V	CS-356	Theoretical Computer Science	1. Understand the use of automata during language design. 2.Relate various automata and Languages.


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405	B.Sc(CS)	Semester –V	CS-359	Practical Course based on CS 3	<ol style="list-style-type: none"> 1. Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. 2. Read and make elementary modifications to Java programs that solve real-world problems. 3. Validate input in a Java program.
406	B.Sc(CS)	Semester –V	CS-3510	Python Programming	<ol style="list-style-type: none"> 1. To introduce programming concepts using python 2. Student should be able to develop Programming logic using python 3. To develop basic concepts and terminology of python programming 4. To test and execute python programs
407	B.Sc(CS)	Semester –V	CS-3511	Blockchain Technology	<ol style="list-style-type: none"> 1. Understand what and why of blockchain technology. 2. Explore major components of blockchain. 3. Learn about Bitcoin, Cryptocurrency and Ethereum. 4. To learn blockchain programming using Python, Flask Web Framework, and HTTP client Postman.
408	B.Sc(CS)	Semester –VI	CS-361	Operating Systems – II	<ol style="list-style-type: none"> 1. To understand the issue of Deadlocks in Process management. 2. To understand the concept of File system management & disk scheduling 3. To study the concept of distributed and mobile operating systems


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409	B.Sc(CS)	Semester –VI	CS-362	Software Testing	<p>1. To understand various software testing methods and strategies.</p> <p>2. To understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software.</p> <p>3. To design test cases and test plans, review reports of testing for qualitative software.</p> <p>4. To understand latest testing methods used in the software industries.</p>
410	B.Sc(CS)	Semester –VI	CS-367	Practical course based on CS 36	<p>1. Management of deadlocks by operating system</p> <p>2. File System management</p> <p>3. Disk space management and scheduling for processes</p>
411	B.Sc(CS)	Semester –VI	CS-363	Web Technologies – II	<p>1. To Learn different technologies used at client Side Scripting Language</p> <p>2.To Learn XML and XML parsers.</p> <p>3.To One PHP framework for effective design of web application.</p> <p>4.To Learn Java Script to program the behavior of web pages.</p> <p>5.To Learn AJAX to make our application more dynamic.</p>


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412	B.Sc(CS)	Semester –VI	CS-364	Data Analytics	<p>1. Use appropriate models of analysis, assess the quality of input, and derive insight from results.</p> <p>2. Analyze data, choose relevant models and algorithms for respective applications</p> <p>3. Understand different data mining techniques like classification, prediction, clustering and association rule mining</p> <p>4. Apply modeling and data analysis techniques to the solution of real world business problems</p>
413	B.Sc(CS)	Semester –VI	CS-368	Practical course based on CS 36	<p>1. Build dynamic website.</p> <p>2. Using MVC based framework easy to design and handling the errors in dynamic website.</p>
414	B.Sc(CS)	Semester –VI	CS-365	Object Oriented Programming	<p>1. To learn database programming using Java</p> <p>2. To study web development concept using Servlet and JSP</p> <p>3. To develop a game application using multithreading</p> <p>4. To learn socket programming concept</p>
415	B.Sc(CS)	Semester –VI	CS-366	Compiler Construction	<p>1. Understand the process of scanning and parsing of source code.</p> <p>2. Learn the conversion code written in source language to machine language.</p> <p>3. Understand tools like LEX and YACC</p>


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416	B.Sc(CS)	Semester –VI	CS-369	Practical Course based on CS 3	1. To Learn database Programming using Java 2. Understand and Create dynamic web pages using Servlets and JSP. 3. Work with basics of framework to develop secure web applications
417	B.Sc(CS)	Semester –VI	CS-3610	Software Testing Tools	1.To understand various software testing methods and strategies. 2.To understand a variety of software metrics and identify defects and managing those defects for improvement in quality for given software. 3.To design test cases and test plans, review reports of testing for qualitative software. 4. To understand latest testing tools used in the software industries.
418	B.Sc(CS)	Semester –VI	CS-3611	Project	1. The students work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, implementation, testing, and the final reporting
419	B. Sc.		MB- 351	Medical Microbiology- I	Students can learn about different bacterial pathogens, epidemiology, and diseases of human body systems.
420	B. Sc.		MB- 352	Immunology – I	1.Students learn all the basic concepts about immunity, blood cell formation, and different organs in immunity. They gain knowledge of 3 lines of body's defence. They thoroughly understand about Antigens and Antibodies; They gain knowledge about Cell Mediated Immune Response, Transplantation and Immunity.


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421	B. Sc.		MB-353	Enzymology	Students are able to understand about enzymes, enzyme assays, they gain knowledge about methods of purification of enzymes, Students studies about enzyme kinetics and calculate V_{max} , K_m , K_{cat} values, They are able to tell different methods of enzyme immobilization.
422	B.SC		MB- 354	Genetics	Student acquires knowledge of Gene Linkage and crossing over, DNA Replication, Prokaryotic and Eukaryotic Transcription and Translation, Techniques used in recombinant DNA technology.
423	B.SC		MB- 355	Fermentation Technology – I	Students learn about objectives and applications of industrial fermentation process, They learn basic steps like Media optimization, Sterilization, Scale-up and Scale-down. Students learn about economics of fermentation, test of QA and QC.
424	B.SC		MB-356	Agriculture Microbiology	Students learn about objectives and applications of Agriculture microbiology. They will learn about role of soil micro-organisms in agriculture. Students gain knowledge of Agriculture Technology
425	B.SC		MB- 3511	Dairy Microbiology	Students will learn about dairy developments in India. Students will understand milk chemistry and microbiology, they will learn about spoilage of milk and milk preservation methods, milk born infections. Student will come to know techniques of Pasteurization and milk analysis.
426	B.SC		MB-3510	Marine microbiology	Students will get awareness of unseen and unexplored niche of marine ecosystem of microbes. To acquire advances in the knowledge of marine microbes and marine ecology. To learn the field research on marine processes and laboratory research on microorganisms. To comprehend the role of marine microbes in bioremediation and bioprospecting. To avail career opportunities in marine education, industry and research



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427	BS.C		MB- 357	Practical course – I Based on MB-351 MB-352	1. Students can able to isolate and identify pathogens from clinical samples. 2. They can perform hematology and hemogram analysis. 3. They could able to perform epidemiological surveys.
428	BS.C		MB- 358	Practical course – II Based on MB-353 MB-354	1. Students can learn clinical biochemistry experiments. 2. They can analyse proteins and carbohydrates qualitatively 3. Student are able to make buffers, study enzyme kinetics and calculate V _{max} , K _m , K _{cat} values. 4. They can make buffers, isolate genomic DNA, Plasmid DNA, could perform gelelectrophoresis.
429	BS.C		MB- 359	Practical course -III Based on MB-355 MB-356	1. Students are able to perform biochemical assays for vitamin and antibiotic, 2. They can able to cultivate lactic acid bacteria, Bio- inoculants, Pesticide degrader. 3. Students can learn different milk test. 4. They can able to synthesize nanoparticles.
430	B.SC		MB- 361	Medical Microbiology – II	Students can learn about chemotherapy, antibiotic resistance, and viral, fungal and protozoan pathogens.
431	B.SC		MB- 362	Immunology-II	Students can learn about Humoral immune response ,Cell mediated immune response ,Hypersensitivity ,Autoimmunity , Autoimmune disease. Immunodeficiency
432	B.SC		MB- 363	Metabolism	Students learn about Membrane transport mechanisms, Bioenergetics and laws of thermodynamics. They understand Biosynthesis and Degradation of macromolecules. They could able to understand photosynthesis process in bacteria.


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433	B.SC		MB- 364	Molecular Biology	Student gain knowledge of methods of gene transfer by transformation, transduction and conjugation, They understand how to generate rDNA molecule, They can learn about important tools used in rDNA technology.
434	B.SC		MB- 365	Fermentation Technology - II	Here the students can learn about commercial scale productions of various products like: Primary Metabolites, Secondary metabolites, Enzymes, Biomass based products, Vaccines, Immune sera, Student can able to distinguish between Solid State Fermentation and Submerged Fermentation.
435	B.SC		MB- 366	Food Microbiology	To describe food safety problems and solutions in India and global scale. Identify and classify types of microorganisms in food processing and compare their Characteristics and behavior To learn food classification based on their perishability, intrinsic and extrinsic factors affecting the growth of microbes in foods, role of microorganisms in food fermentation.
436	B.SC		MB-3610	Waste management	Students will understand waste management and it practicable applicability. To assess the magnitude and influence of hazardous content of waste, pollution of waters and waste water treatment technologies. Students will learn the design and working of treatment plants and methods used for liquid and solid waste treatment.
437	B.SC		MB-3611	Nano-biotechnology	Students will understand design, development and application of Nanomaterials and their application in, nanodevices. To learn fundamentals of nanotechnology as to Synthesis and characterization techniques of nanoparticles. To acquire knowledge of applications of nano-materials in different disciplines of human life. To compare the merits of using nanotechnology with existing technologies


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438	B.SC		MB-367	Practical course I Based on Diagnostic Microbiology and Immunology	Here students will study about microbial pathogens by using permanent slides. Isolation of yeast/Fungal pathogen. Antibiotic sensitivity testing of the bacterial pathogens : The qualitative diagnosis of Plasmodium spps ., Demonstrations of: Serum protein separation by electrophoresis , ELISA (Antigen/ Antibody detection) Egg inoculation technique
439	B.SC		MB 368	Practical Course – II Based on Metabolism and Molecular Biology	Students will obtain knowledge about clinical biochemistry experiments along with enzyme production, purification quantification, immobilization Bacteriophage .
440	B.SC		MB 369	Practical Course-III Based on Fermentation Technology- II and Food Microbiology	Here students will get to know about fermentation at laboratory level. Solid state fermentation , Probiotic micro flora , Aflatoxin , TDP and TDT value , Determination of TDR and D value HACCP guidelines for food industry
441	M.Sc	Semester –I	MB 501	Microbial systematics	1.This course gives idea about microbial classification.
442	M.Sc	Semester –I	Mb 502	Quantitative biology	2.Students get knowledge about quantitative analysis of the survey. report and the data collected, comparative account of the data.
443	M.Sc	Semester –I	MB 503	Biochemistry and Metabolism	3.Metabolism of proteins , lipids and carbohydrates. Catabolism and anabolism of all the three biomolecules
444	M.Sc	Semester –I	MBTE 11	Fungal systematics and Extr	Knowledge about fungal classification. As well as idea about the extreme conditions like temp , pH , moisture where the microorganisms can grow.


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445	M.Sc	Semester –I	MBPE11	Practical based on Fungal sy	Specific media for the growth of Fungi, and extremophiles. Focussing the keys of the isolation and identification of fungi and extremophiles
446	M.Sc	Semester –I	MBCP 1	Biochemical techniques (Practical based on Complusory theory credits)	Practicals based on Buffer preparation, Role of buffer in media preparation, Different techniques like U.V. Spectrophotometry, electrophoresis, chromatography etc.
447	M.Sc	Semester –II	MB 601	Instrumentation and biophys	Principle and techniques like different types of chromatography, Electrophoresis,HPLC,Colorimetry , U. V. Spectrometry etc.
448	M.Sc	Semester –II	Mb 602	Molecular Biology	Methods of transcription and translations in prokaryotes and eukaryotes etc. Cell division and cell cycle control by CDK Cyclins etc'
449	M.Sc	Semester –II	MB 603	Enzymology ,Bioenergetics and Metabolism	Thermodynamics, Enzymes classification, Isolation and purification methods along with that specific activity, enzyme activity calculations. Study of intermittent metabolic products produced during metabolism
450	M.Sc	Semester –II	MBTE 23	Nitrogen metabolism , respiration and photosynthesis	Study in detail about Nitrogen cycle, isolation and identification of Nitrogen fixing and nitrogen nonfixing bacteria. Along with that photosynthesis mechanism in different types of plants, C3 and C4 pathways, CAM pathways etc
451	M.Sc	Semester –II	MBPE23	Practical based on Nitrogen metabolism , respiration and photosynthesis	Preparation of selective media for the isolation and identification of symbiotic and nonsymbiotic bacteria , their confirmation, cell division steps etc.


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452	M.Sc	Semester –II	MBCP 2	Molecular biology, Enzymology and instrumentation techniques (Practical based on Complusory theory credits)	Practicals related to plasmid DNA extraction, Genomic DNA extraction, Transformation , Plasmid curing , Restriction endonuclease. To calculate enzyme activity , and specific activity of an enzyme, their purification methods.
453	M.Sc	Semester –III	MB 701	Immunology	Students get knowledge about Immune system mechanism , how the immune system acts against tumor and cancer cell. What are biological response modifiers.etc
454	M.Sc	Semester –III	Mb 702	Molecular Biology	Genetics behind cancer and Tumours . Various test to check the gene sequences, hereditary transferring diseases etc. , Chromosomal aberrations.
455	M.Sc	Semester –III	MB 703	Clinical Microbiology	Different types of diseases caused by bacteria , fungi, viruses, their habitat, multiplication rate , symptoms, Laboratory diagnosis, antibiotic sensitivity testing and prophylaxis etc.
456	M.Sc	Semester –III	MBTE 31	Cell culture techniques	What are cell line , continues cell lines. Cell cultures specificities of different cell lines. Meaning of Established cell line, suspension culture.and their use for identification of specific cancer.
457	M.Sc	Semester –III	MBPE 31	Practical based on cell culture technique	Specific media for the preparation cell line and cell cultre, role of each and every content in the medium
458	M.Sc	Semester –III	MBCP 3	(Practical based on Complusory theory credits)	Identification and Isolation of various pathogenic organism. Precipitation and agglutination. Qualitative and quatitative analysis of Antigen and Antibody etc.


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459	M.Sc	Semester –IV	MB 801	Pharmaceutical Microbiology	What are anti-infective their mode of action, method to check susceptibility and resistance. Meaning of MIC , MBC . NCCS Norms in pharmacy, CLSI guidelines etc..
460	M.Sc	Semester –IV	Mb 802	Microbiology technology	Different method used in fermentation industry. Batch fermentation , Continuous fermentation. Fed batch fermentation. Importatnt parts used in fermenter.
461	M.Sc	Semester –IV	MBTE 41	Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	Role of quality department in pharmaceutical industry , Meaning of calibration and Validation of specific instrument. What is Standard Operating System
462	M.Sc	Semester –IV	MBPE41	Practical based on Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	S.O.P. methods of various instruments like incubator , Hot air oven ,Autoclave. Calculate MIC and MBC value of specific anti-infective. Antibiotic susceptibility testing. Reasons For antibiotic resist stance.
463	M.Sc	Semester –IV	MBTE 42	Advances in Microbial technol	Testing of MIC and MBC , different methods to check antibiotic resistance, Buffer preparation, Media preparation, preparation of dilution scheme according to CLSI guidelines etc.
464	M.Sc	Semester –IV	MBCP 4	Dissertation	Research project should be completed by a postgraduate student. They get the knowledge about to check proper research paper related to our topic. How to apply statistical analysis by ANNOVA or T test. How to prepare final thesis etc.


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विश्वविद्यालय अनुदान आयोग का स्वायत्त मंडल
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
SBB Alias Appasaheb Jedhe
Arts, Commerce and Science College
Subhash Nagar, Dist. Pune, affiliated to Savitribai Phule Pune University,
Maharashtra as
Accredited
with CGPA of 2.38 on seven point scale
at B grade
valid up to September 25, 2023*

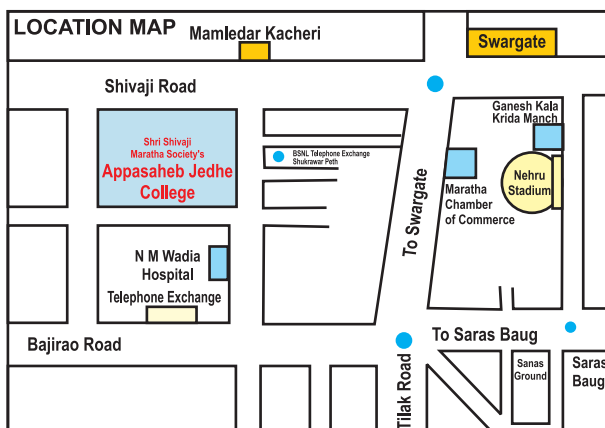
Date : September 26, 2018



S. C. Sharma
Director



EC(SC)/32/RAR/MHCOGN10641



F.Y.B.A. (2019 Pattern CBCS)

F.Y.B.A SEM-I			
SUB CODE	SEM	SUB NAME	
11001	1	COMPULSORY ENGLISH - I	COMPULSORY
11021	1	MARATHI SAHITYA : KATHA & BHASHIK KOUSHALYAVIKAS	ANY 05 SUBJECTS
11201	1	PHYSICAL GEOGRAPHY	
11151	1	INDIAN ECONOMIC ENVIRONMENT - I	
11161	1	INTRODUCTION TO INDIAN CONSTITUTION	
11171	1	EARLY INDIA : FROM PREHISTORY TO THE AGE OF MAURYAS IE	
11331	1	OPTIONAL ENGLISH - I	

F.Y.B.A SEM-II			
SUB CODE	SEM	SUB NAME	
12001	2	COMPULSORY ENGLISH - II	COMPULSORY
22999	2	DEMOCRACY,ELECTION AND GOVERNANCE G	
G-1	2	PHYSICAL EDUCATION (Group-I, Sem-II)	
12021	2	MARATHI SAHITYA : AKANKIA & BHASIK KOUSHALYA VIKAS	ANY 05 SUBJECTS
12201	2	HUMAN GEOGRAPHY	
12151	2	INDIAN ECONOMIC ENVIRONMENT - II	
12161	2	INTRODUCTION TO INDIAN CONSTITUTION - II	
12171	2	EARLY INDIA : POST MAURYAN AGE TO THE RASHTRAKUTAS	
12331	2	OPTIONAL ENGLISH-II	

S.Y.B.A. Semester -III (2019 Pattern CBCS)

Group of Special	Paper	Sub. Type	Sub Code	Name of Subject	Credit	Type/Group	
COMPULSORY	Comp.	Comp.	23001	Compulsory English	3	A	Compulsory
		MIL	23011	MIL -2 Marathi Bhashik Sandynapan Kaushalye	2		
		AEC	23999	Environmental Science	2		
MARATHI SPECIAL	S-1	DSE	23021	DSE-1A Adhunik Marathi Sahitya : Prakash Vata	3	B	SELECT ANY ONE Group OUT OF B, C, D, E & F
	S-2	DSE	23022	DSE-2A Sahitya Vichar	3		
	G-2	CC	23023	CC-1C Bhashik Kaushalyavikas Ani Adhunik Marathi Sahitya Prakar - Kadambari	3		
	SEC	SEC	23025	SEC -2A Prakashan Vyavahar Ani Sampadan	2		
ECONOMICS SPECIAL	S-1	DSE	23151	DSE-1A Micro Economics -I	3	C	
	S-2	DSE	23152	DSE-2A Macro Economics -I	3		
	G-2	CC	23153	CC-1C Financial System -I	3		
	SEC	SEC	23154	SEC-2A Basic Concept Of Research Methodology -I	2		
POLITICAL SCIENCE SPECIAL	S-1	DSE	23161	DSE-1A Western Political Thought	3	D	
	S-2	DSE	23162	DSE-2A Political Journalism	3		
	G-2	CC	23164	CC-2C An Introduction Of Political Ideologies	3		
	SEC	SEC-I	23165	SEC-2A Basics Of Indian Constitution	2		
GEOGRAPHY SPECIAL	S-1	DSE	23202	DSE-1A GG220(A) Population Geography -I	3	E	
	S-2	DSE	23203	DSE-2A GG210(A) Practical Geography-1 (Scale & Projection)	3		
	G-2	CC	23204	CC-1C GG201(A) Environmental Geography -I	3		
	SEC	SEC	23207	SEC-2A Applied Course of Disaster Management	2		
ENGLISH SPECIAL	S-1	DSE	23331	DSE-1A Appreciating Drama	3	F	
	S-2	DSE	23332	DSE-2A Appreciating Poetry	3		
	G-2	CC	23333	SEC-1A Advance Study Of English Language	3		
	SEC	SEC	23334	SEC-2A A Certificate Course in Skill Development (English)	2		
GENERAL SUBJECT	G-2	CC	23023	23023 CC-1C Bhashik Kaushalyavikas Ani Adhunik Marathi Sahitya Prakar - kadambari	3	G	ANY TWO Subject Excluding G 2- which was selected in B,C,D,E,F
	G-2	CC	23153	CC-1C Financial System -I	3		
	G-2	CC	23164	CC-2C An Introduction Of Political Ideologies	3		
	G-2	CC	23204	GG201(A) Environmental Geography -I	3		
	G-2	CC	23333	SEC-1A Advance Study Of English Language	3		
	G-2	CC	23174	CC-1 History of The Marathas : (1630-1707)	3		

Group-A (Compulsory)		3
Group-B,C,D,E,F,(Any One Group)		4
Group-G (Choose Any Two Subject Excluding G2, the subject which you have already chosen in Group-B,C,D,E,F)		2
Total Subject		9

DSE DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)

CC CORE COURSES

SEC SKILL ENHANCEMENT COURSE

S.Y.B.A. Semester -IV (2019 Pattern CBCS)

Group of Special subject	Paper	Sub. Type	Sub Code	Name of Subject	Credit	Type/ Group	
COMPULSORY	Comp.	Comp.	24001	Compulsory English	3	A	Compulsory
		MIL	24011	MIL -2 Navmadhyame Ani Samajmadhyamansathi Marathi	2		
		AEC	24999	AEC Environmental Science	2		
MARATHI SPECIAL	S-1	DSE	24021	DSE-2B Madhyayugin Marathi Sahitya: Nivdak Madhyayugin Gadya	3	B	SELECT ANY ONE Group OUT OF B, C, D, E & F
	S-2	DSE	24022	DSE-2B Sahitya Samiksha	3		
	G-2	CC	24023	CC-1D Bhashik Kaushalyavikas Ani Adhunik Marathi Sahitya Prakar	3		
	SEC	SEC	24025	SEC -2B Upayojit Lekhan Kaushalye	2		
ECONOMICS SPECIAL	S-1	DSE	24151	DSE-1B Micro Economics -II	3	C	
	S-2	DSE	24152	DSE-2B Macro Economics -II	3		
	G-2	CC	24153	CC-1D Financial System -II	3		
	SEC	SEC	24154	SEC-2B Basic Concept Of Research Methodology -II	2		
POLITICAL SCIENCE SPECIAL	S-1	DSE	24161	DSE-1B Western Political Thought	3	D	
	S-2	DSE	24162	DSE-2B Political Journalism	3		
	G-2	CC	24164	CC-2D An Introduction to Political Ideologies	3		
	SEC	SEC-II	24165	SEC-2B Basics Of Indian Constitution	2		
GEOGRAPHY SPECIAL	S-1	DSE	24202	DSE-1B GG210(B) Population Geography -II	3	E	
	S-2	DSE	24203	DSE-2B GG220(B) Pract. Geo.-II (cartographic Tech., Surveying & Excursion)	3		
	G-2	CC	24204	CC-1D GG201(B) Environmental Geography -II	3		
	SEC	SEC	24207	SEC-2B Applied Course Of Travel & Tourism	2		
ENGLISH SPECIAL	S-1	DSE	24331	DSE-1B Appreciating Drama	3	F	
	S-2	DSE	24332	DSE-2B Appreciating Poetry	3		
	G-2	CC	24333	SEC-1B Advance Study Of English Language	3		
	SEC	SEC	24334	SEC-2B A Certificate Course in Skill Development (English)	2		
GENERAL SUBJECT	G-2	CC	24023	CC-1D Bhashik Kaushalya Vikas Ani Adhunik Marathi Sahitya Prakar : L	3	G	ANYTWO Subject Excluding G 2- which was selected in B,C,D,E,F
	G-2	CC	24153	CC-1D Financial System -II	3		
	S-2	DSE	24162	DSE-2B Political Journalism	3		
	G-2	CC	24204	CC-1D GG201(B) Environmental Geography -II	3		
	G-2	CC	24333	SEC-1B Advance Study Of English Language	3		
	G-2	CC	24174	CC-1 History of The Marathas : (1707 - 1818)	3		

Group-A (Compulsory)		3
Group-B,C,D,E,F,(Any One Group)		4
Group-G (Choose Any Two Subject Excluding G2 ,the subject which you have already chosen in Group-B,C,D,E,F)		2
Total Subject		9

DSE DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)
 CC CORE COURSES
 SEC SKILL ENHANCEMENT COURSE

T.Y.B.A. Semester - V (2019 Pattern CBCS)

	Paper	Sub.Type	Sub Code	Name of Subject	Credit	Type/Group	
	Comp.	Comp.	35001	Compulsory English	3	A	Compulsory
			35002	GE-2A Generic Elective			
MARATHI SPECIAL	S-3	DSE	35021	DSC-1C Madhyugin Marathi Vagmyacha Sthul Itihas: Praram	4	B	SELECT ANY ONE Group OUT OF B, C, D, E & F
	S-4	DSE	35022	DSC-2C Varnatmak Bhashavidnyan : Bhag 1	4		
	G-3	CC	35023	CC- 1E Bhashik Kaushalyavikas Ani Aadhunik Marathi Sahitya Prakar : Pravasvarnn	3		
	SEC	SEC	35025	SEC-2C Karykram Sanyojnatil Bhashik Kaushalye : Bhag1	2		
ECONOMICS SPECIAL	S-3	DSE	35151	DSE-1C International Economics-I	3+1	C	
	S-4	DSE	35152	DSE-2C Public Finance- I	3+1		
	G-3	CC	35153	CC-1E Indian Economic Development- I	3		
	SEC	SEC-III	35154	(SEC-2C) Skill Enchancement Course (Business Management - I)	2		
POLITICAL SCIENCE SPECIAL	S-3	DSE	35161	DSE-1C Public Administration	3+1	D	
	S-4	DSE	35162	DSE-2C International Relations	3+1		
	G-3	CC	35163	CC-1E Modern Political Analysis	3		
	SEC	SEC	35165	SEC-2C Samyukta Maharashtra Movement	2		
GEOGRAPHY SPECIAL	S-3	DSE	35201	DSE-1C GG:320(A) Geography of India -I	3	E	
	S-4	DSE	35203	DSE-2C GG:301Practical Geography - I (Techniques of Spatial Analysis)	4		
	G-3	CC	35205	CC1 E GG:310(A) Geography of Tourism- I	3		
	SEC	SEC	35206	SEC-2C Research Methodology - I	2		
ENGLISH SPECIAL	S-3	DSE	35331	DSE- 1C Appreciating Novel	3+1	F	
	S-4	DSE	35332	DSE- 2C Introduction to Literary Criticism	3+1		
	G-3	CC	35333	SEC -1C Enhancing Employability Skills	3		
	SEC	SEC	35334	SEC -2C Mastering Life Skills and Life Values	2		
GENERAL SUBJECT	G-3	CC	35023	CC- 1E Bhashik Kaushalyavikas Ani Aadhunik Marathi Sahitya Prakar : Pravasvarnn	3	G	ANYTWO Subject Excluding G 3- which was selected in B,C,D,E,F
	G-3	CC	35153	CC-1E Indian Economic Development- I	3		
	G-3	CC	35164	CC-1E Modern Political Analysis	3		
	G-3	CC	35204	CC1 E GG 10(A) Geography of Tourism- I	3		
	G-3	CC	35333	SEC- 1C Enhancing Employability Skills	3		
	G-3	CC	35174	CC-1 Indian National Movement : (1885-1947)	3		

Group-A (Compulsory)		2
Group-B,C,D,E,F,(Any One Group)		4
Group-G (Choose Any Two Subject Excluding G3 ,the subject which you have already chosen in Group-B,C,D,E,F)		2
Total Subject		8

DSE DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)
 CC CORE COURSES
 SEC SKILL ENHANCEMENT COURSE

T.Y.B.A. Semester - VI (2019 Pattern CBCS)

	Paper	Sub.Type	Sub Code	Name of Subject	Credit	Type/ Group	
MARATHI SPECIAL	Comp.	Comp.	36001	Compulsory English	3	A	Compulsory
			36002	GE-2A Generic Elective			
	S-3	DSE	36021	DSC- 1D Madhyugin Marathi Vagmyacha Sthul Itihas: e.s.1601 te e.s.1817	4	B	SELECT ANY ONE Group OUT OF B, C, D, E & F
	S-4	DSE	36022	DSC-2D Varnnatmk Bhashavidnyan: 2	4		
	G-3	CC	36023	CC-2E Bhashik Kaushalyavikas Ani Aadhunik Marathi Sahitya Prakar : Kavita	3		
	SEC	SEC	36025	SEC- 2D Karykram Sanyojnatil Bhashik Kaushalye : 2	2		
ECONOMICS SPECIAL	S-3	DSE	36151	DSE-1D International Economics- II	3+1	C	
	S-4	DSE	36152	DSE-2D Public Finance- II	3+1		
	G-3	CC	36153	CC-2E Indian Economic Development- II	3		
	SEC	SEC-IV	36154	(SEC-2D) Business Management- II (Project Report)	2		
POLITICAL SCIENCE SPECIAL	S-3	DSE	36161	DSE-1D Public Administration	3+1	D	
	S-4	DSE	36162	DSE-2D International Relations	3+1		
	G-3	CC	36163	CC-2E Modern Political Analysis	3		
	SEC	SEC	36165	SEC-2D Samyukta Maharashtra Movement	2		
GEOGRAPHY SPECIAL	S-3	DSE	36201	DSE-1D GG:320(B)Geography of India -II	3	E	
	S-4	DSE	36203	DSE-2D GG 301(B) Practical Geography – II (Techniques of Spatial Analysis, Surveying and Excursion / Village / Project Report	4		
	G-3	CC	36205	CC-1E GG:310(B) Geography of Tourism –II	3		
	SEC	SEC	36206	SEC-2D Research Methodology – II	2		
ENGLISH SPECIAL	S-3	DSE	36331	DSE-1D Appreciating Novel	3+1	B	
	S-4	DSE	36332	DSE-2D Introduction to Literary Criticism	3+1		
	G-3	CC	36333	SEC-2D Enhancing Employability Skills	3		
	SEC	SEC	36334	SEC -2D Mastering Life Skills and Life Values	2		
GENERAL SUBJECT	G-3	CC	36023	CC-2E Bhashik Kaushalyavikas Ani Aadhunik Marathi Sahitya Prakar : Kavita	3	G	ANY TWO Subject Excluding G 3- which was selected in B,C,D,E,F .
	G-3	CC	36153	CC-2E Indian Economic Development- II	3		
	G-3	CC	36164	CC-2E Modern Political Analysis	3		
	G-3	CC	36205	CC-1E GG:310(B) Geography of Tourism –II	3		
	G-3	CC	36333	SEC-2D Enhancing Employability Skills	3		
	G-3	CC	36174	CC-1 India After Independence : (1947 - 1991)	3		

Group-A (Compulsory)		2
Group-B,C,D,E,F,(Any One Group)		4
Group-G (Choose Any Two Subject Excluding G3 ,the subject which you have already chosen in Group-B,C,D,E,F)		2
Total Subject		8

DSE DISCIPLINE SPECIFIC ELECTIVE COURSE (DSE)
 CC CORE COURSES
 SEC SKILL ENHANCEMENT COURSE

F.Y.B.COM. (2019 Pattern CBCS)

F.Y.B.COM SEM-I		
SUB CODE	SUBJECT NAME	
111	COMPULSORY ENGLISH	COMPULSORY
112	FINANCIAL ACCOUNTING -I	
113	BUSINESS ECONOMICS -I	
114A	BUSINESS MATHEMATICS & STATISTICS -I	
12019- VA01_1	COMPUTERISED ACCOUNTING	
115B	BANKING & FINANCE -I	ANY 01
115C	COMMERCIAL GEOGRAPHY -I	
116B	INSURANCE & TRANSPORT - I	ANY 01
116E	BUSINESS ENVIRONMENT & ENTREPRENEURSHIP -I	
117A	ADDITIONAL ENGLISH	ANY 01
117B	MARATHI -I	
F.Y.B.COM SEM-II		
SUB CODE	SUBJECT NAME	
121	COMPULSORY ENGLISH	COMPULSORY
122	FINANCIAL ACCOUNTING - II	
123	BUSINESS ECONOMICS - II	
124A	BUSINESS MATHEMATICS & STATISTICS - II	
12019- VA03_2	GENDER SENSITIVITY	
2299	DEMOCRACY, ELECTION AND GOVERNANCE	
G-1	PHYSICAL EDUCATION (GROUP-1,SEM-II)	
125B	BANKING & FINANCE - II	ANY 01
125C	COMMERCIAL GEOGRAPHY - II	
126B	INSURANCE & TRANSPORT - II	ANY 01
126E	BUSINESS ENVIRONMENT & ENTREPRENEURSHIP - II	
127A	ADDITIONAL ENGLISH	ANY 01
127B	MARATHI	

S.Y.B.COM. Semester - III (2019 Pattern CBCS)

Sub Code	Name of Subject	Credit	Group	Type
231	BUSINESS COMMUNICATION - I	4	A	Compulsory
232	CORPORATE ACCOUNTING - I	3		
233	BUSINESS ECONOMICS - I	3		
234	BUSINESS MANAGEMENT - I	3		
235	ELEMENTS OF COMPANY LAW - I	3		
299	AECC-2 ENVIRONMENTAL AWARENESS	2		
236B	BANKING AND FINANCE - I	4	B	ANY ONE Group
	(OR)		OR	
236E	COST AND WORKS ACCOUNTING - I	4	C	

S.Y.B.COM. Semester - IV (2019 Pattern CBCS)

Sub Code	Name of Subject	Credit	Group	Type
241	BUSINESS COMMUNICATION - II	4	A	Compulsory
242	CORPORATE ACCOUNTING - II	3		
243	BUSINESS ECONOMICS - II	3		
244	BUSINESS MANAGEMENT - II	3		
245	ELEMENTS OF COMPANY LAW - II	3		
249	AECC-2 ENVIRONMENTAL AWARENESS	2		
246B	BANKING AND FINANCE - II	4	B	ANY ONE Group
	(OR)		OR	
246E	COST AND WORKS ACCOUNTING - II	4	C	

T.Y.B.COM. Semester - V (2019 Pattern CBCS)

Sub Code	Name of Subject	Credit	Group	Type
351	Business Regulatory Framework-I	3	A	Compulsory
352	Advance accounting -I	3		
353 A	Indian & Global Economic Development-I	3		
354	Auditing and Income tax -I	4		
355 B	Banking and Finance Special Paper II-I	4	B	ANY ONE Group
356 B	Banking and Finance Special Paper III-I	4		
	(OR)			
355 E	Cost and Works Accounting. Special Paper II-I	4	C	
356 E	Cost and Works Accounting. Special Paper III-I	4		

T.Y.B.COM. Semester - VI (2019 Pattern CBCS)

Sub Code	Name of Subject	Credit	Group	Type
361	Business Regulatory Framework-II	3	A	Compulsory
362	Advance Accounting -II	3		
363 A	Indian & Global Economic Development-II	3		
364	Auditing and Income tax -II	4		
365 B	Banking and Finance Special Paper II-II	4	B	ANY ONE Group
366 B	Banking and Finance Special Paper III-II	4		
	(OR)		OR	
365 E	Cost and Works Accounting. Special Paper II-II	4	C	
366 E	Cost and Works Accounting. Special Paper III-II	4		

F.Y.B.Sc. (Micro Biology) (2019 Pattern CBCS)

F.Y.B.Sc SEM-I		
SUB CODE	SUB NAME	All Compulsory
BO-111	PLANT LIFE AND UTILIZATION-I	
BO-112	PLANT MORPHOLOGY AND ANATOMY	
BO-113	PRACTICAL BASED ON B0111 & B0112	
CH-101	PHYSICAL CHEMISTRY	
CH-102	ORGANIC CHEMISTRY	
CH-103	CHEMISTRY PRACTICAL	
MB-111	INTRODUCTION TO MICROBIAL WORLD	
MB-112	BASIC TECHNIQUES IN MICROBIOLOGY	
MB-113	PRACTICAL COURSE BASED ON THEORY PAPER -I AND PAPER-II	
ZO-111	ANIMAL DIVERSITY -I	
ZO-112	ANIMAL ECOLOGY	
ZO-113	ZOOLOGY PRACTICAL PAPER	
F.Y.B.Sc SEM-II		
SUB CODE	SUB NAME	All Compulsory
BO-121	PLANT LIFE AND UTILIZATION -II	
BO-122	PRINCIPLES OF PLANT SCIENCE	
BO-123	PRACTICAL BASED ON B0121 & B0122	
CH-201	INORGANIC CHEMISTRY	
CH-202	ANALYTICAL CHEMISTRY	
CH-203	CHEMISTRY PRACTICAL-II	
G-I	PHYSICAL EDUCATION (GROUP-I,SEM-II)	
MB-121	BACTERIAL CELL AND BIOCHEMISTRY	
MB-122	MICROBIAL CULTIVATION AND GROWTH	
MB-123	PRACTICAL COURSE BASED ON THEORY PAPER -I AND II	
ZO-121	ANIMAL DIVERSITY -II	
ZO-122	CELL BIOLOGY	
ZO-123	ZOOLOGY PRACTICAL PAPER	
22999	DEMOCRACY, ELECTION AND GOVERNANCE	

S. Y. B. Sc. (Micro Biology) (2019 Pattern CBCS)

S.Y.B.Sc SEM - III			
SUB CODE	SEM	SUB NAME	COMPULSORY
CH-301	III	Physical and Analytical Chemistry	
CH-302	III	Inorganic and Organic Chemistry	
CH-303	III	Chemistry Practical -III	
ZO-231	III	Animal Diversity-III	
ZO-232	III	Applied Zoology-I	
ZO-233	III	Zoology Practical Paper	
EVS-231	III	Environment Awareness	
MB-231	III	Medical Microbiology and Immunology	
MB-232	III	Bacterial Physiology and Fermentation Technology	
MB-233	III	Practical based on Theory papers MB-231 and MB-232	
BO-231	III	Taxonomy of Angiosperms and Plant Ecology	
BO-233	III	Practical based on B0231& B0-232	
23321	III	English - AECC IIA	Optional any 1
23331	III	Marathi - AECC IIB	
S.Y.B.Sc SEM - IV			
SUB CODE	SEM	SUB NAME	COMPULSORY
CH-401	IV	Physical and Analytical Chemistry	
CH-402	IV	Inorganic and Organic Chemistry	
CH-403	IV	Chemistry Practical -IV	
ZO-241	IV	Animal Diversity-IV	
ZO-242	IV	Applied Zoology-II	
ZO-243	IV	Zoology Practical Paper	
EVS-241	IV	Environment Awareness	
MB-241	IV	Bacterial Genetics	
MB-242	IV	Air,Water and Soil Microbiology	
MB-243	IV	Practical based on Theory papers MB-241 and MB-242	
BO-241	IV	Plant Anatomy and Embryology	
BO-242	IV	Plant Biotechnology	
BO-243	IV	Practical based on BO-241& BO-242	
24321	IV	English - AECC IVA	Optional any 1
24331	IV	Marathi - AECC IVB	

T.Y.B.Sc. (Micro Biology) (2019 Pattern CBCS)

T.Y.B.Sc SEM-V			
SUB	SEM	SUB NAME	ALL COMPULSORY
MB-351	V	Medical Microbiology -I	
MB-352	V	Immunology-I	
MB-353	V	Enzymology	
MB-354	V	Genitics	
MB-355	V	Fermentation Technology - I	
MB-356	V	Agricultural Microbiology	
MB-357	V	Practical course -I based on:MB-351 and MB-352	
MB-358	V	Practical course -II based on:MB-353 MB-354	
MB-359	V	Practical course -III based on:MB-355 & MB-356	
MB-3510	V	Marine Microbiology	
T.Y.B.Sc SEM-VI			
SUB	SEM	SUB NAME	ALL COMPULSORY
MB-361	VI	Medical Microbiology -II	
MB-362	VI	Immunology-II	
MB-363	VI	Metabolism	
MB-364	VI	Molucular Biology	
MB-365	VI	Fermentation Technology -II	
MB-366	VI	Food Microbiology	
MB-367	VI	Practical course -I based on:MB-361and MB-362	
MB-368	VI	Practical course -II based on:MB-363 MB-364	
MB-368	VI	Practical course -III based on:MB-365 and MB-366	
MB-3610	VI	Waste Management	
MB-3611	VI	Nanobiotechnology	
MB-3511	V	Dairy Microbiology	

F.Y. B.B.A - (CA) (2019 Pattern CBCS)

Pattern 2019 SEMESTER- I		
Subject Code	Subject Name	All Compulsory
CA-101	Business Communication	
CA-102	Principles of Management	
CA-103	C Language	
CA-104	Database Management System	
CA-105	Statistics	
CA-106	Computer Laboratory Based on 103 &104	
107	Add-On course- PPA	
SEMESTER- II		
Subject Code	Subject Name	All Compulsory
CA-201	Organization Behavior & Human Resource Management	
CA-202	Financial Accounting	
CA-203	Business Mathematics	
CA-204	Relational database	
CA-205	Web Technology HTML-JS-CSS	
CA-206	Computer Laboratory Based on 204 & 205	
207	Add-On course - Advance C	
22999	Democracy, Election & Governance	
G-1	Physical Education - Gr I Sem-II	

S.Y.BBA - CA (2019 Pattern CBCS)

SEMESTER- III	
Subject Code	Subject Name
CA-301	Digital Marketing
CA-302	Data Structure
CA-303	Software Engineering
CA-304	PHP
CA-305	Big data
CA-306	Computer Laboratory Based on 302, 304 and 305
307 AECC	Environment Awareness

SEMESTER- IV	
Subject Code	Subject Name
CA-401	Networking
CA-402	Object Oriented Concepts Through CPP
CA-403	Operating System
CA-404	Advance PHP
CA-405	Project
CA-406	Computer Laboratory Based on 402 & 404
4	J Query Add-on Course

T.Y.BBA - CA (2019 Pattern CBCS)

SEMESTER- V		
Subject Code	Subject Name	Course
CA-501	Cyber Security	CC
CA-502	OOSE	CC
CA-503	Core Java	CC
CA-504	Python	EC
CA-505	Project	PJ
CA-506	Computer Laboratory Based on 503 and 504	PR
5	Add on Course-IOT	

SEMESTER- VI		
Subject Code	Subject Name	Course
CA-601	Recent Trends in Information Technology (Tutorial/Assignment)	CCT
CA-602	Software Testing	CC
CA-603	Advanced Java	CC
CA-604	Dot Net Framework	EC
CA-605	Project	PJ
CA-606	Computer Laboratory Based on 603 and 604	PR
6	Add on Course-Soft Skills Training	

F.Y. B.Sc. (Computer Sci.) (2019 Pattern CBCS)

Pattern 2019 Semester I		
Subject Code	Subject Name	
CS-111	Problem Solving using Computer and 'C' Programming	All Compulsory Subjects
CS-112	Database Management Systems	
CS-113	Practical course based on CS111 and CS112	
MTC-111	Matrix Algebra	
MTC-112	Discrete Mathematics	
MTC-113	Practical- Mathematics	
ELC-111	Semiconductor Devices and Basic Electronics Systems	
ELC-112	Principles of Digital Electronics	
ELC-113	Electronics Lab – I A	
CSST-111	Descriptive Statistics - I	
CSST-112	Mathematical Statistics	
CSST-113	Statistics Practical – I	
Pattern 2019 Semester II		
Subject Code	Subject Name	
CS-121	Advanced 'C' Programming	All Compulsory Subjects
CS-122	Relational Database Management Systems	
CS-123	Practical course based on CS201 and CS202	
MTC-121	Linear Algebra	
MTC-122	Graph Theory	
MTC-123	Practical-Mathematics	
ELC-121	Instrumentation Systems	
ELC-122	Basic of Computer Organization	
ELC-123	Electronics Lab – I B	
CSST-121	Methods of Applied Statistics	
CSST-122	Continuous Probability Distributions & Testing of Hypothesis	
CSST-123	Statistics Practical – II	
22999	Democracy, Election & Governance	
G-1	Physical Education – Gr I Sem-II	

S. Y. B. Sc. (Computer Science) (2019 Pattern CBCS)

Semester - III (Total Credits=22)	
Subject Code	Subject Name
CS-231	Data Structures and Algorithms – I
CS-232	Software Engineering
CS-233	Practical course based on 231 & 232
MTC-231	Groups & Coding Theory
MTC-232	Numerical Techniques
MTC-233	Mathematics Practical
ELC- 231	Microcontroller Arch. & Programming
ELC- 232	Digital Communication & Networking
ELC- 243	Electronics Practical course-I
23921	Environment Science – I
23922	Language Communication – I

Semester - IV (Total Credits=22)	
Subject Code	Subject Name
CS-241	Data Structures and Algorithms – II
CS-242	Computer Networks – I
CS-243	Practical course based on CS401
MTC-241	Computational Geometry
MTC-242	Operation Research
MTC-243	Mathematics Practical
ELC- 241	Embedded System Design
ELC- 242	Wireless Communication
ELC- 243	Electronics Practical course-I
24921	Environment Science – II
24922	Language Communication – II

T. Y. B. Sc. (Computer Science) (2019 Pattern CBCS)

Semester - V (Total Credits=22)	
Subject Code	Subject Name
CS-351	Operating Systems - I
CS-352	Computer Networks - II
CS-357	Practical course based on CS 351
CS-353	Web Technologies - I
CS-354	Foundations of Data Science
CS-358	Practical course based on 353 & 354
CS-355	Object Oriented Programming using JAVA- I
CS-356	Theoretical Computer Science and Compiler Construction - I
CS-359	Practical Course based on 355
CS-3510	Python Programming
CS-3511	Block Chain Technology

Semester - VI (Total Credits=22)	
Subject Code	Subject Name
CS-361	Operating Systems - II
CS-362	Software Testing
CS-367	Practical course based on 361
CS-363	Web Technologies - II
CS-364	Data Analytics
CS-368	Practical course based on 363 & 364
CS-365	Object Oriented Programming using JAVA- II
CS-366	Compiler Construction - II
CS-369	Practical Course based on 365
CS-3610	Software Testing Tools
CS-3611	Project

M.COM. Part I (2019 Pattern CBCS)

Semester -I		
Sub Code	Name of Subject	Credit
101	Management Accounting	4
102	Strategic Management	4
103	Advanced Accounting	4
104	Income Tax	4
191	Human Rights- I	1
192	Introduction to Cyber Security-I	1

Semester -II		
Sub Code	Name of Subject	Credit
201	Financial Analysis and Control/	4
202	A. Industrial Economics	4
203	Specialized Areas in Accounting	4
204	Business Tax Assessment & Planning	4
291	Human Rights-II	1
292	Introduction to Cyber Security-II	1

M.COM Part II (2019 Pattern CBCS)

Semester -III		
Sub Code	Name of Subject	Credit
321	Business Finance	4
322	Research Methodology for Business	4
323	Advanced Auditing	4
324	Specialized Auditing	4
392	Introduction to Cyber Security-III	1
394	Skill Development-I	2
395	Introduction to Constitution	2

Semester -IV		
Sub Code	Name of Subject	Credit
421	Capital Market and Financial Services	4
422 A	Industrial Economic Environment	4
423	Recent Advances in Accounting, Taxation and Auditing	4
424	Project Work/ Case Studies	4
192	Introduction to Cyber Security-IV	1
494	Skill Development-II	2

M.Sc. Part I (Sem I)

SUB CODE	SEM	SUB NAME	COMPULSORY
MB501	I	MICROBIAL SYSTEMATICS	
MB502	I	QUANTITATIVE BIOLOGY	
MB503	I	BIOCHEMISTRY AND METABOLISM	
MBCP 1	I	BIOCHEMICAL TECHNIQUES (PRACTICALS BASED ON COMPULSORY THEORY CREDITS)	
MBTE 11	I	FUNGAL SYSTEMATICS AND EXTREMOPHILES	ELECTIVE COURSES
MBPE 11	I	PRACTICALS BASED ON FUNGAL SYSTEMATICS AND EXTREMOPHILES	

M.Sc. Part 1 (Sem II)

SUB CODE	SEM	SUB NAME	COMPULSORY
MB601	II	INSTRUMENTATION AND MOLECULA BIOPHYSICS	
MB602	II	MOLECULAR BIOLOGY	
MB603	II	ENZYMOLGY, BIOENERGETICS AND METABOLISM	
MBCP 2	II	MOLECULAR BIOLOGY, ENZYMOLGY AND INSTRUMENTATION (PRACTICALS BASED ON COMPULSORY THEORY CREDITS)	
MBTE 23	II	NITROGEN METABOLISM, RESPIRATION AND PHOTOSYNTHESIS	ELECTIVE COURSES
MBPE 23	II	PRACTICALS BASED ON NITROGEN METABOLISM, RESPIRATION AND PHOTOSYNTHESIS	

M.Sc. Part II (Sem III)

SUB CODE	SEM	SUB NAME	COMPULSORY
CCTP 7 (MB 701)	III	IMMUNOLOGY	
CCTP 8 (MB 702)	III	MOLECULAR BIOLOGY	
CCTP 9 (MB 703)	III	CLINICAL MICROBIOLOGY	
MBCP 3	III	PRACTICALS BASED ON COMPULSORY THEORY CREDITS	
MBTE 32	III	BIOREMEDIATION AND BIOMASS UTILIZATION	ELECTIVE COURSES
MBPE 32	III	PRACTICALS BASED ON BIO REMEDIATION AND BIOMASS UTILIZATION	

M.Sc. Part II (Sem IV)

SUB CODE	SEM	SUB NAME	
CCTP 10 (MB 801)	IV	PHARMACEUTICAL MICROBIOLOGY	COMPULSORY
CCTP 11 (MB 802)	IV	MICROBIAL TECHNOLOGY	
MBCP 4	IV	DISSERTATION	
MBTE 41	IV	QUALITY ASSURANCE AND VALIDATION IN PHARMACEUTICAL INDUSTRY AND DEVELOPMENT OF ANTI-INFECTIVES	ELECTIVE COURSES
MBPE41	IV	PRACTICALS BASED ON QUALITY ASSURANCE AND VALIDATION IN PHARMACEUTICAL INDUSTRY AND DEVELOPMENT OF ANTI-INFECTIVES	
MBPE 42	IV	PRACTICALS BASED ON ADVANCES IN MICROBIAL TECHNOLOGY	

VALUE ADDED PROGRAMS

The College encourages co-curricular activities so as to provide a platform to the students to develop their skills, talents and abilities. Students can take active part in the following activities of the College under the guidance and supervision of the Professor-in-charge.

- National Cadet Corps(N.C.C.)
- Commerce Association
- Drama Circle / Cultural Programs
- Elocution and Debating
- Community Work
- National Service Scheme (N.S.S.)
- Seminars/Workshops
- Wall Magazine
- Mock Interviews / Group Discussions and Sports Club
- Expert lectures for guidance on competitive Examinations and Career.
- Film Making, Acting Course

GYMKHANA DEPARTMENT

ACHIEVEMENTS

Inter Collegiate Kabaddi (Women) Championship (Second Time)

Students selected and Participated at All India National Inter University competition & Khelo India

- 1) Tejashree D. Nanaware -Cricket - Silver Medal at West Zone Inter University level competition-At Rajasthan
- 2) Vrushali H. Uttekar -Cross Country-12 KM -At Vishakhapatnam.
- 3) Siddhi Marathe - Kabaddi - at Banswara-Rajasthan.
- 4) Rode Manasi - Kabaddi - at Banswara-Rajasthan.
- 5) Mule Anjali - Kabaddi - at Banswara-Rajasthan.
- 6) Riddhi Marathe - Kabaddi - at Banswara-Rajasthan.

Sports Facilities

- **Outdoor Game** - Volleyball, Throw ball, Kabaddi, Net Ball, Cricket, Athletics (Throwing, Running, etc.)
- **Indoor Games** - Chess, Table Tennis, Weight lifting, Carrom, Yogasana .
- **Other Facilities** - Sports Equipments provided to the students for practice & competition.
- College also provides Sports uniforms to the students at time of competition.
- College also gives incentive amount for travelling and daily allowances to the those students who participate in Inter Collegiate, Inter Zonal & All India Inter University level competition.

Academic Year 2022-23

Program No.	Program	Program outcomes
1	B.A.	The students will be able to:
		Understand economics concepts and problems of economics demand and supply law its variations, .Get knowledge of population demographic theory, poverty and unemployment and its measures of eradications.
		Develop linguistic competence, Get knowledge of Various Genres of Literature, Get knowledge of Various Genres of Literature, Critically analyze the literary Works
		.Get knowledge of Various Genres of Literature, Get knowledge of Various Genres of Literature, Critically analyze the literary Works
		Develop knowledge and get success in UPSC and MPSC competitive exams.,Get knowledge for Courses of Travel and Tourism, Surveyor, Geo-
		Develop competence to find causes, study the consequences and giving suggestions for Disaster Management and can actively participate where ever applicable.
		Gain knowledge and guide about different tourist places with geographical, Historical, and Spiritual as well as aesthetic angle tourist places.
		Understand & explain the situation of Physio- Socio-Economic aspects of India, the Natural & Manmade Resources and its importance for life.
		Understand the role of human beings as conscious citizens, develop Constitutional awareness
2	B.Com	The students will be able to:
		Develop business skills and entrepreneurship, aware about new technology implementation in banking sector, understand banks and its functions, acquire knowledge of accountancy after completing their graduation.
		Get knowledge about financial investment intuition especially in India, understand international financial intuitions functioning, its achievement and current status.
		Gain knowledge about financial markets its functions, SBI role and controls, get an idea about current scenario of Indian banking system.


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		Understand money and capital market, foreign exchange markets its workings, get knowledge on today's profile as an emerging economy
		Know the economic concepts, demand and supply variations, objectives of firms, demand forecasting, etc.
4	B.C.A.	<p>1. Get knowledge required for planning, designing and building Complex Application Software Systems, develop sound academic base from which an advanced career in Computer Applications can be developed.</p> <p>2. .Develop practical skills to address problems in computer systems and applications, produce knowledgeable and skilled human resources which is employable in IT</p> <p>3 Develop practical skills to address problems in computer systems and applications,</p> <p>4 Acquire professional competence in developing software and in its design and implementation, develop basic statistical knowledge required for computer applications</p> <p>5.Develop basic statistical knowledge required for computer applications</p> <p>6. Develop sound academic base from which an advanced career in Computer Applications can be developed.</p> <p>7.Conceptual grounding in computer usage as well as its practical business application will be provided making</p>
5	BBA	<p>1. Develop sound academic base from which an advanced career in Computer Applications can be developed.</p> <p>2.Conceptual grounding in computer usage as well as its practical business application will be provided making</p> <p>3.Become globally competent.</p> <p>4.Acquire practical skills to address problems in computer systems and applications.</p> <p>5.Get statistical knowledge required for computer applications</p>
6	B.Sc. (Micro)	<p>The students will be able to:</p> <p>1. Understands the physiology, genetics, biochemistry, medical microbiology and agricultural microbiology of bacteria and viruses and an</p> <p>2. Develop basic laboratory skills required for a career in either applied or research microbiology</p> <p>3. Develop their interest in general microbiology and acquire appropriate intellectual, scientific knowledge</p> <p>4.Develop advanced practical skills relevant to microbiology</p> <p>5. Understand laboratory-based investigations in microbiology applicable to studying microbial involvement in health, and disease</p> <p>6. Get employment in various industries like food industry, pharmaceutical and agriculture-based industry.</p> <p>7.Increase the knowledge of classification system of plants according to various scientists, Develop the practical skills relevant to botany</p>


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7	M.Com.	<p>The students will be able to:</p> <p>1 : Get knowledge of the advances in accountancy especially in the area of corporate and service sector.</p> <p>2: Know the various managerial concepts including strategic management useful for success in business.</p> <p>3. Get knowledge of the research methodology in order to conduct in depth study of the subjects related to trade, commerce and Industry.</p> <p>4. Aware the current problems in business environment So cyber law study and human rights are included as part of curriculum.</p> <p>5. Apply their current knowledge related to income tax including excise duty, service tax, GST and vat</p> <p>6. Get knowledge of the capital market</p> <p>7. Verify the methods of raising the finance its adverse and favorable effects.</p>
8	M.Sc. (Micro)	<p>The students will be able to:</p> <p>1. Get detailed information about the modern technologies used in diagnostics and research to enable them to apply these to complex problem solving in the investigation of disease</p> <p>2. Develop advanced practical skills relevant to microbiology, Interpret quantitative and qualitative data. Learn independently take responsibility for planning and organization of work both their own and in a team</p> <p>3. Work effectively and independently on a given project or task. Work effectively in small groups and teams towards a common Goal/outcome</p> <p>4. Acquire a number of transferable skills, including: design and execution of experiments (including working in a team); accessing information; interpretation of</p> <p>5. Understand the forefront of selected areas of microbial research, through lectures, directed studies and presentations as well as a lab-</p> <p>6. Increase their confidence level and become socially responsible person</p> <p>7. Get knowledge of fermentation process, design of bioreactor & its working</p>


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2.6.1 :- Courses outcomes for All Courses

Id	Program	Sem	Course Code	CourseName	Courses outcomes
1	B.Com	Semester –I	111	Compulsory English-I	The students will be able to: 1. Analyze good pieces of prose and poetry so that they realize the beauty and communicative power of English.
2	B.Com	Semester –I	111	Compulsory English-I	2. Get an exposure to native, cultural experiences and situations so that they Understood the importance and utility of English language
3	B.Com	Semester –I	112	Financial Accounting- I	The students will be able to: 1. Get knowledge of basic accounting concepts
4	B.Com	Semester –I	112	Financial Accounting- I	2. Create awareness about application of these concepts in business world
5	B.Com	Semester –I	113	Business Economics (Micro) - I	The students will be able to: 1. Develop knowledge of business economics
6	B.Com	Semester –I	113	Business Economics (Micro) - I	2. Understand basic theories, concepts of micro economics and their application
7	B.Com	Semester –I	114 (A)	Business Mathematics & Statistics- I	The students will be able to: 1. Apply applications of Statistics and Mathematics in Business
8	B.Com	Semester –I	114 (A)	Business Mathematics &	2. Analyze the data by using some elementary statistical methods
9	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	1. Get knowledge of fundamentals of Banking
10	B.Com	Semester –I	115 - B	BANKING & FINANCE- I	2. Develop awareness about various banking concepts


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11	B.Com	Semester –I	116 - B	Insurance and Transport- I	3. Understand the concepts of Insurance
12	B.Com	Semester –I	116 - B	Insurance and Transport- I	2. Get basic knowledge about Life Insurance, Fire Insurance and Marine Insurance.
13	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	1. Understand the concept of Business Environment and its aspects
14	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	2. Examine personality competencies most common to majority of successful entrepreneurs and to show how these competencies can be developed or acquired
15	B.Com	Semester –I	116 - E	Business Environment & Entrepreneurship - I	3. Generate entrepreneurial inspiration through the study of successful Entrepreneurs
16	B.Com	Semester –I	115-C	Commercial Geography	1.Students Understand the scope and content of commercial geography in relation to spatial distribution of agriculture, forest resources and industrial production
17	B.Com	Semester –I	115-C	Commercial Geography	2. Acquaints dynamic aspects of commercial geography.
18	B.Com	Semester –I	117-A	Additional English	1. Develop confidence to speak fluent English.
19	B.Com	Semester –I	117-A	Additional English	2. Develop the ability to use English language.
20	B.Com	Semester –II	121	Compulsory English-II	3. Develop linguistic competence and communicative skills.
21	B.Com	Semester –II	121	Compulsory English-II	4. Develop oral and written communicative skills, so employability enhances and English becomes the medium of their livelihood and personality.
22	B.Com	Semester –II	122	Financial Accounting- II	1.Impart knowledge of various software used in accounting
23	B.Com	Semester –II	122	Financial Accounting- II	2. Impart knowledge about final accounts of charitable trusts
24	B.Com	Semester –II	123	Business Economics (Micro) - II	1. Understand the basic concepts of micro economics.


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25	B.Com	Semester –II	123	Business Economics (Micro) - II	2. Understand the tools and theories of economics for solving the problem of decision making by consumers and producers.
26	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	1. Understand the basic concepts in Finance and Business Mathematics and Statistics
27	B.Com	Semester –II	124 (A)	Business Mathematics & Statistics- II	2. Learn some elementary statistical methods for analysis of Data
28	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	1. Develop the working capability of students in banking sector
29	B.Com	Semester –II	125(B)	BANKING & FINANCE- II	2. Understand Banking Business and practices
30	B.Com	Semester –II	126 (B)	Insurance and Transport- II	1. Acquaint with the concepts of transport.
31	B.Com	Semester –II	126 (B)	Insurance and Transport- II	2. Create awareness regarding basic knowledge about transportation system in India.
32	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	1. Understand Nature - Comparison between entrepreneurial and non-entrepreneurial,
33	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	2. Understand Role of Entrepreneurship in economy
34	B.Com	Semester –II	126 (E)	Business Environment & Entrepreneurship - II	3. Prepare their mind set for taking up entrepreneurship as career.
35	B.Com	Semester –II	125-C	Commercial Geography-II	3. Get Knowledge about dynamic nature and industrial field
36	B.Com	Semester –II	125-C	Commercial Geography-II	4. Understand the relationship between the geographical factors and economic activities
37	B.Com	Semester –II	127-A	Additional English-II	1. Develop the ability to use English language.
38	B.Com	Semester –II	127-A	Additional English-II	2. Inculcate the Joy of Reading literary texts.


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39	B.Com	Semester –III	231	Business Communication-I	1. Understand the concept, process and importance of communication.
40	B.Com	Semester –III	231	Business Communication-I	2. Develop business communication skills through the application and exercises.
41	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	1. Understand the conceptual aspect of corporate accounting.
42	B.Com	Semester –III	232	CORPORATE ACCOUNTING -I	2. Prepare final accounts of a company as per Schedule III of the Companies Act 2013
43	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	1. Analyze basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
44	B.Com	Semester –III	233	BUSINESS ECONOMICS (MACRO)	2. Stimulate the interest by showing the relevance and use of various economic theories.
45	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	1. Get basic knowledge and understanding about various concepts of Business Management.
46	B.Com	Semester –III	234	BUSINESS MANAGEMENT -I	2. Understand the various functions of management
47	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	1. Impart with the knowledge of fundamentals of Company Law.
48	B.Com	Semester –III	235	ELEMENTS OF COMPANY LAW	2. Update the knowledge of provisions of the Companies Act of 2013.
49	B.Com	Semester –III	236(B)	Banking and Finance-I	1. Get knowledge about Indian Banking System.
50	B.Com	Semester –III	236(B)	Banking and Finance-I	2. Understand about the role of banking in economic development.
51	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	3. Understand the basic concepts of cost.
52	B.Com	Semester –III	236(E)	Cost and Works Accounting -I	4. Prepare a cost sheet.


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53	B.Com	Semester –IV	241	Business Communication-II	1. Develop good communication skills requisite for business correspondence.
54	B.Com	Semester –IV	241	Business Communication-II	2. Develop business communication skills through the application and exercises
55	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	1. Acquaint with knowledge of corporate policies of investment for expansion and growth through purchase of stake in or absorption of smaller units.
56	B.Com	Semester –IV	242	CORPORATE ACCOUNTING -II	2. Introduce the recent trends in the field of accountancy
57	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	1. Exposed to basic Micro Economic concepts and inculcate an analytical approach to the subject matter.
58	B.Com	Semester –IV	243	BUSINESS ECONOMICS (MACRO)	2. Stimulate interest by showing the relevance and use of various economic theories.
59	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	1. Get the knowledge about motivating the staff.
60	B.Com	Semester –IV	244	BUSINESS MANAGEMENT -II	2. Get knowledge about Emerging trends in Business management
61	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW- II	1. Develop general awareness among the students about management of company
62	B.Com	Semester –IV	245	ELEMENTS OF COMPANY LAW- II	2. Understand Key managerial Personnel of company and their role in Company administration.
63	B.Com	Semester –IV	246(B)	Banking and Finance-II	1. Get knowledge of Cooperative Banking in India
64	B.Com	Semester –IV	246(B)	Banking and Finance-II	2. Analyze the functioning of Development Banking
65	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	1. Understand the documents used in stores and calculate the issuing price of material.
66	B.Com	Semester –IV	246(E)	Cost and Works Accounting -II	2. Understand recent trends in cost accounting.


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67	B.Com	Semester –V	351	Business Regulatory Framework	1. Get conceptual knowledge about the framework of business Law in India.
68	B.Com	Semester –V	351	Business Regulatory Framework	2. Develop awareness about legal environment relating to the Contract Law, Partnership Act, Sale of Goods Act in India.
69	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	1. Get knowledge about various concepts, objectives, and applicability of some important accounting standards.
70	B.Com	Semester –V	246(E)	ADVANCED ACCOUNTING – I	2. Get knowledge for preparation of final accounts of a Banking Companies with the provisions of Banking Regulation Act
71	B.Com	Semester –V	353	Indian & Global Economic Development	1. Develop ability to analyze economic development process of India.
72	B.Com	Semester –V	353	Indian & Global Economic Development	2. Impart knowledge about the relevance of economic practices in modern competitive world.
73	B.Com	Semester –V	354	Auditing	1. Acquaint themselves about the Definition, Nature, Objectives and Advantages of Auditing, Types of Audit, Errors and Fraud, Audit Program, Notebook, Working Paper, Internal Control, Check.
74	B.Com	Semester –V	354	Auditing	2. Get knowledge about concept of Checking, Vouching, Verification and Valuation, Types of Audit Report and Auditing Assurance Standard.
75	B.Com	Semester –V	355-B	Banking and Finance-Special Paper II	1. Acquaint with Indian Financial System and its various segments.
76	B.Com	Semester –V	355-B	Banking and Finance-Special Pa	2. Aware of Indian Money Market.
77	B.Co m	Semester –V	355 – e	Cost and Works Accounting. Special Paper II	1. Introduce the cost accounting standards and the cost accounting standard board.
78	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	1. Familiarize the Banking Laws and Practice in correlation to the Banking System in India.


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79	B.Com	Semester –V	356-B	Banking and Finance-Special Pa	2. Understand the legal aspects of Banking transactions and its implication as a Banker and as a customer.
80	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	1. Understand the basic techniques in Cost Accounting
81	B.Com	Semester –V	356 –E	Cost and Works Accounting Special Paper III	2. Understand the application of Cost Accounting techniques in cost control and decision making.
82	B.Com	Semester –VI	361	Business Regulatory Framewor	1. Develop general awareness of Business Law among the students.
83	B.Com	Semester –VI	361	Business Regulatory Framewor	2. Understand the various statutes containing regulatory mechanism of business and its relevant provisions including different types of partnerships
84	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	1. Get knowledge about the legal provisions regarding preparation and presentation of final accounts of Co- operative
85	B.Com	Semester –VI	362	ADVANCED ACCOUNTING – II	2. Understand the procedure and methods of analysis of financial statements.
86	B.Com	Semester –VI	363	Indian & Global Economic Deve	1. Develop ability of students to analyze economic development process of India.
87	B.Com	Semester –VI	363	Indian & Global Economic Deve	2. Get knowledge of recent trends in Human Development Index.
88	B.Co m	Semester –VI	364	Auditing & Taxation - II	1. Understand the basic concepts of Income Tax Act, 1961 and create awareness of direct taxation among the students.
89	B.Com	Semester –VI	364	Auditing & Taxation - II	2. Understand the income tax rules and regulations and its provisions.
90	B.Com	Semester –VI	365-B	Banking & Finance-Special Pap	1 .Familiarize about various basic concepts of stock market.
91	B.Com	Semester –VI	365-B	Banking & Finance-Special Pap	2 .Analyze the types and process of stock trading.
92	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	1. Get knowledge about the various methods of costing.


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93	B.Com	Semester –VI	365 – E	Cost and Works Accounting. Special Paper II	2. Understand the applications of different methods of costing in manufacturing and service industries.
94	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	1. Familiarize about concept and types cybercrimes in banking
95	B.Com	Semester –VI	366-B	Banking & Finance-Special Paper III	2. Understand the aspects of paying and collecting banker.
96	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	1. Impart knowledge about Standard Costing and Variance Analysis
97	B.Com	Semester –VI	366 – E	Cost and Works Accounting Special Paper III	2. Learn about pricing policy and its implementation.
98	B.A.(Geography)	Semester –I	11201	Physical Geography	1. Introduce the concept of physical geography
99	B.A.(Geography)	Semester –I	11201	Physical Geography	2. Understand basic concept of physical geography
100	B.A. Politics	Semester –I	11161	Politics G1	1.Study in detail the political structure both Constitutional and Administrative.
101	B.A Economics	Semester –I	11151	G-1 Indian Economic Environment	1.Provide with the background of the Indian Economy with focus on contemporary issues like economic environment.
102		Semester –I	11151	G-1 Indian Economic Environment	2. Develop an understanding of the economic environment and the factors affecting economic environment.
103	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	1. Create, interest about Literature.
104	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	2. Aware about Marathi Literature, Marathi Language and Marathi Culture.
105	B.A. Marathi	Semester –I	11021	F.Y.B.A Marathi G1	3. Develop the sense of awareness about literature amongst student


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106	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	1. Develop grammatical skills and accuracy
107	B.A. ENGLISH	Semester –I	11001	Compulsory English F.Y.	2. Develop writing skills and comprehension of literature
108	B.A. ENGLISH	Semester –I	11331	Optional English G1	1. Understand the basics of literature and language
109	B.A. ENGLISH	Semester –I	11331	Optional English G1	2. Familiarize with different types of literature in English, the literary devices and terms so that they Understand the literary merit, beauty and creative use of language
110	B.A.(Geography)	Semester –II	12201	Human Geography	1. Introduce the concept of Human geography
111	B.A.(Geography)	Semester –II	12201	Human Geography	2. Understand basic concept of Human geography
112	B.A. Politics	Semester –II	12161	Politics G1	1. Familiarize students with the working of the Constitution of India. Study the political processes and the actual functioning of the political
113	Marathi	Semester –II		Modern Indian language Marathi	1-उभाषक कौशल याची त्ाषकिसर करणे
114	B.A. Economics	Semester –II	11152	G-1 Indian Economic Environment	1.Familiarize the students with the recent developments in the Indian Economy
115	B.A. Economics	Semester –II	11152	G-1 Indian Economic Environment	2.Compare and contrast Indian Economy with other world economies.
116	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	1. Develop vision of literature amongst student


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117	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	2. Attend various trends and type of Marathi Literature.
118	B.A. Marathi	Semester –II	11022	F.Y.B.A Marathi G1	3.Develop the capacity of linguistic competence in order to confront the world global competition
119	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	1.Familiarize with excellent pieces of prose and poetry in English so that they realize the beauty and communicative power of English
120	B.A. ENGLISH	Semester –II	12001	Compulsory English F.Y.	2. Expose to native cultural experiences and situations in order to develop human values and social awareness
121	B.A. ENGLISH	Semester –II	12331	Optional English G1	1. Understand basic units of language so that they become aware of the technical aspects and their practical usage
122	B.A. ENGLISH	Semester –II	12331	Optional English G1	2. Prepare detailed study and Understand literature and language
123	B.A.(Geo gr a phy)	Semester –III	23202	Population Geography-I (S1)	1. Understand the history of population.
124	B.A.(Geo gr a phy)	Semester –III	23202	Population Geography-I(S-I)	2. Introduce of the basic concepts in population Geography.
125	B.A.(Geo gr a phy)	Semester –III	23203	Practical Geography-I(Scale &	1. Enable to use various scales and Projection techniques in Geography
126	B.A.(Geo gr a phy)	Semester –III	23203	Practical Geography-I(Scale &	2. Explain the elementary and essential Principles of Practical work in geography
127	B.A.(Geo gr a phy)	Semester –III	2304	Environmental Geography-I (G	1. Understand about dynamic environment


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128	B.A.(Geography)	Semester –III	2304	Environmental Geography-I (G	2. Acquaint with fundamental concepts of environment Geography for development in different areas.
129	B.A.(Geography)	Semester –III	23207	Applied Course of Disaster Man	1. Inculcate critical thinking and Problem- solving abilities on disaster management
130	B.A.(Geography)	Semester –III	23207	Applied Course of Disaster Man	2. Enable to assess the situation and design plan for disaster management.
131	B.A. Politics	Semester –III	23164	Politics G2	1. Study the concepts, ideas and theories in political theory. Role of different political ideologies and their impact in politics.
132	B.A. Politics	Semester –III	23162	Politics Special II	2. Understand complex relationship between the communication, media and power politics.
133	B.A. Politics	Semester –III	23165	Politics Special SEC	1. Acquaint students with the important features of the Constitution of India and with the basic framework of Indian
134	Economics	Semester –III	23153	G -2. Financial System-I	1. Understand the recent trends and developments in banking system.
135	Economics	Semester –III	23153	G -2. Financial System -I	2. Understand fundamentals of modern financial system.
136	B.A Economics	Semester –III	23151	S -1. Micro Economics -I	1. Develop understanding about subject matter of Economics.
137	B.A Economics	Semester –III	23151	S -1. Micro Economics-I	3. Impart knowledge of Micro economics.
138	B.A Economics	Semester –III	23152	S -2. Macro Economics -I	1. Introduce the historical background of the emergence of Macro Economics


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139	B.A Economics	Semester -III	23152	S -2. Macro Economics-I	4. Familiarize with various concepts of national income
140	B.A Economics	Semester -III	23154	SEC Basic Concept of Research Methodology -I	1. Develop the understanding of the basic concept of research
141	B.A Economics	Semester -III	23154	SEC Basic Concept of Research Methodology -I	5. Identify various sources of information for data collection
142	B.A. Politics	Semester -III	23161	Politics Special I	1. Understand major traditions of thought that have shaped political discourse in different parts of the world. The great diversity of social contexts and philosophical visions.
143	B.A. Marathi	Semester -III	23021	Marathi Special Paper I	1. Make aware of the historical tradition of Marathi Literature.
144	B.A. Marathi	Semester -III	23021	Marathi Special Paper I	1. Aware of Literature on the account of its background and inspiration behind literature and to give knowledge about its nature
145	B.A. Marathi	Semester -III	23022	Marathi Special Paper II	1. Explore the process of development of the types of literature.
146	B.A. Marathi	Semester -III	23023	S.Y.B.A Marathi General II	1. Introduce the rules and regulations of the 'Shuddhalekhan'.
147	B.A. Marathi	Semester -III	23023	S.Y.B.A Marathi General II	2. Introduce the rules and regulations of the 'Shuddhalekhan'
148	B.A. Marathi	Semester -III	23025	Marathi SEC2A	
149	B.A. ENGLISH	Semester -III	23001	Compulsory English S.Y.	1. Develop competence for self-learning


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150	B.A. ENGLISH H	Semester -III	23001	Compulsory English S.Y.	2. Familiarize with excellent pieces of prose and poetry in English so realize the beauty and communicative power of English
151	B.A. ENGLISH H	Semester -III	23333	Optional English G2	1. Expose to the basics of short story as one of the literary forms
152	B.A. ENGLISH H	Semester -III	23333	Optional English G2	2. Familiarize with different types of short stories in English
153	B.A. ENGLISH H	Semester -III	23331	English Special I	1. Encourage detailed study of a few sample masterpieces of English Drama from different parts of the world
154	B.A. ENGLISH H	Semester -III	23331	English Special I	2. Develop to appreciate and analyze drama independently
155	B.A. ENGLISH H	Semester -III	23332	English Special II	1. Familiarize with the terminology in poetry criticism (i.e. the terms used in critical analysis and appreciation of poems)
156	B.A. ENGLISH H	Semester -III	23332	English Special II	2. Make a detailed study of a few sample masterpieces of English poetry
157	B.A. ENGLISH H	Semester -III	23334	English SEC 2A	1. Enhance the skill of using English for everyday communication
158	B.A. ENGLISH H	Semester -III	23334	English SEC 2A	2. Acquaint with the verbal and non-verbal communication
159	B.A.(Geography)	Semester -IV	24202	Population Geography-II (S1)	1. Introduce the Population policy of India and China


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160	B.A.(Geography)	Semester –IV	24202	Population Geography-II(S-I)	2. Understand the Health indicator in India
161	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	1. Introduce to the basic and contemporary concept in geography
162	B.A.(Geography)	Semester –IV	24203	Practical Geography-II(Cartographic Tech. surveying & Excursi.)(S2)	2. Introduce the latest concept regarding the modern cartography in the field of geography
163	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	1. Acquaint the about the past , present and future utility and potentials of natural resources
164	B.A.(Geography)	Semester –IV	24204	Environmental Geography-II (G-2)	2. Make aware about the problem of environment its utilization and conservation in the view of sustainable development
165	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	1. Develop basic framework to understand the various elements of tourism management
166	B.A.(Geography)	Semester –IV	24207	Applied Course of Travel and Tourism(SEC)	2. Evaluate the roll of transport in Travel and Tourism industry
167	B.A.(Geography)	Semester –IV	352201	Geography of india -I(S3)	1. Understand the inter relationship between the subject and the Society
168	B.A. Politics	Semester –IV	24164	Politics G2	2. Explain the evolution and usage of these concepts, ideas and theories with reference to individual thinkers both historically and analytically.
169	B.A. Politics	Semester –IV	24162	Politics Special II	1. Critically appraise practices of political image management, campaigns, propaganda and censorship.
170	B.A. Politics	Semester –IV	24165	Politics Special SEC	1 Emphasizes on local influences from social stratification of castes, from language, religion, ethics and economic determinants and critically assesses its political processes.


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171	B.A Economics	Semester -IV	23153	G -2. Financial System-II	1.Understand intricacies of Indian financial system for better financial decision making.
172	B.A Economics	Semester -IV	23153	G -2. Financial System -II	2.Get knowledge of various financial and non-financial institutions.
173	B.A Economics	Semester -IV	23151	S -1. Micro Economics -II	1.Prepare for varied competitive examinations
174	B.A Economics	Semester -IV	23151	S -1. Micro Economics-II	2.Develop an understanding of basic theories of micro economics and their application
175	B.A Economics	Semester -IV	23152	S -2. Macro Economics -II	1.Introduce to the various instruments of monetary and fiscal policies
176	B.A Economics	Semester -IV	23152	S -2. Macro Economics-II	2.Introduce the role of monetary and fiscal policies in fulfilling the macroeconomic objectives of stability, full employment and growth.
177	B.A Economics	Semester -IV	23154	SEC Basic Concept of Research Methodology -II	1. Identify various sources of information for data collection
178	B.A Economics	Semester -IV	23154	SEC Basic Concept of Research Methodology -II	2. Develop the understanding of the conducting survey on various issues.
179	B.A. Politics	Semester -IV	24161	Politics Special I	1. Understand the history of political thought as a series of critical, interconnected and open-ended conversations about the ends and means of the good life.


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180	B.A. Marathi	Semester -IV	24021	Marathi Special Paper I	2. Understand Literature on the account of its background and inspiration behind literature and to give knowledge about its nature
181	B.A. Marathi	Semester -IV	24022	Marathi Special Paper II	1. Understand the scope of literature.
182	B.A. Marathi	Semester -IV	24023	S.Y.B.A General II	3. Explain scope of modern Marathi Literature.
183	B.A. Marathi	Semester -IV	24023	S.Y.B.A General II	4. Discuss about story, novel, Auto-biography and biography.
184	B.A. ENGLISH	Semester -IV	24001	Compulsory English S.Y.	1. Develop interest in reading literary pieces
185	B.A. ENGLISH	Semester -IV	24001	Compulsory English S.Y.	2. Expose to native cultural experiences and situations in order to develop human values and social awareness
186	B.A. ENGLISH	Semester -IV	24333	Optional English G2	1. Understand the literary merit, beauty and creative use of language
187	B.A. ENGLISH	Semester -IV	24333	Optional English G2	2. Get knowledge of some advanced units of language so that they become aware of the technical aspects and their practical usage
188	B.A. ENGLISH	Semester -IV	24331	English Special I	3. Enhance the aesthetics of Drama and empower to evaluate drama independently
189	B.A. ENGLISH	Semester -IV	24331	English Special I	4. Familiarize with the terminology in drama criticism (i.e. The term used in Critical Analysis and Appreciation of drama)
190	B.A. ENGLISH	Semester -IV	24332	English Special II	3. Enhance the aesthetics of poetry


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191	B.A. ENGLISH	Semester –IV	24332	English Special II	4. Read and appreciate poetry as a form of literature
192	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	1. Develop interest to interact in English
193	B.A. ENGLISH	Semester –IV	34334	English SEC 2B	2. Access exposure of speaking in Various contexts.
194	B.A.(Geography)	Semester –V	352201	Geography of India -I(S3)	3. Understand the recent trends in regional Studies
195	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis	1. Acquire the knowledge of topo sheet interpretation
196	B.A.(Geography)	Semester –V	35203	Practical Geography-I (Techniques of Spatial analysis	2. Acquire the knowledge of weather maps and its interpretation
197	B.A.(Geography)	Semester –V	35205	Geography of Tourism -I G-3	1. Understand the types of tourism
198	B.A.(Geography)	Semester –V	35205	Geography of Tourism -I G-3	2. Get knowledge of different aspects of tourism geography
199	B.A.(Geography)	Semester –V	35206	Research Methodology -I (SEC)	1. Develop the understanding of the basic framework of sampling and data collection
200	B.A.(Geography)	Semester –V	35206	Research Methodology -I (SEC)	2. Develop the understanding of various sampling methods and techniques


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201	B.A. Politics	Semester –V	35162	Politics Special IV	1. Understand the concepts and dimensions of International Relations and makes an analysis of different theories highlighting the major debates and differences with in the different theoretical paradigms.
202	B.A. Politics	Semester –V	35162	Politics Special IV	2. Study the changing Nature of the National Power.
203	B.A Economics	Semester –V	35153	G3 Indian Economic Developm	1. Explain the characteristics of Developing and Developed Countries
204	B.A Economics	Semester –V	35153	G3 Indian Economic Developm	2. Recognize the concept and indicators of Economic Development.
205	B.A Economics	Semester –V	35151	S3 International Economics-I	1. Recall the concepts of International Economics and International Trade.
206	B.A Economics	Semester –V	35151	S3 International Economics-I	2. Describe and apply the theories of international trade.
207	B.A Economics	Semester –V	35152	S4 Public Finance -I	1. Analyze the role of Public Finance in Economic Development.
208	B.A Economics	Semester –V	35152	S4 Public Finance -I	2. Understand the sources of Revenue, Expenditure and Debt of Govt. of India.
209	B.A Economics	Semester –V	35154	SEC Business Management-I	1. Develop Management of Business.


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210	B.A Economics	Semester –V	35154	SEC Business Management-I	2. Develop ability to work in teams at the same time, ability to show leadership qualities.
211	B.A. Politics	Semester –V	35163	Politics G3	3. Understand the scope of the sub-discipline of Modern Political Analysis.
212	B.A. Politics	Semester –V	35161	Politics Special III	4. Understand the Public Administration
213	B.A. Politics	Semester –V	35162	Politics Special IV	5. Understand the concepts and dimensions of International Relations.
214	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	1. Understand the process of origin Literature.
215	B.A. Marathi	Semester –V	35021	Marathi Special Paper III	2. Understand the language of literature.
216	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	1. Understand language and its scope and nature.
217	B.A. Marathi	Semester –V	35022	Marathi Special Paper IV	2. Understand various angles of study of Marathi Language.
218	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	1. Discuss about story, novel, Auto-biography and biography.
219	B.A. Marathi	Semester –V	35023	T.Y.B.A Marathi General II	2. Understand importance of auto-biography and biography.
220	B.A. Marathi	Semester –V	35025	Marathi SEC2C (2)	
221	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	1. Introduce the best uses of language in literature.
222	B.A. ENGLISH	Semester –V	35025	Compulsory English T.Y.	2. Familiarize with the communicative power of English


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223	B.A. ENGLIS H	Semester –V	35025	Compulsory English T.Y.	3. Enable to become competent users of English in real life situations
224	B.A. ENGLIS H	Semester –V	35333	Optional English G3	1. Understand how Indian English poetry expresses the ethos and culture of India
225	B.A. ENGLIS H	Semester –V	35333	Optional English G3	2. Understand creative uses of language in Indian English Poetry
226	B.A. ENGLIS H	Semester –V	35333	Optional English G3	3. Introduce some advanced areas of language study
227	B.A. ENGLIS H	Semester –V	35331	English Special III	1. Familiarize to the basics of novel as a literary form
228	B.A. ENGLIS H	Semester –V	35331	English Special III	2. Understand the historical development and nature of novel
229	B.A. ENGLIS H	Semester –V	35331	English Special III	3. Understand different types and aspects of novel
230	B.A. ENGLIS H	Semester –V	35332	English Special IV	1. Understand different approaches to literature
231	B.A. ENGLIS H	Semester –V	35332	English Special IV	2. Familiarize to the basics of literary criticism


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232	B.A. ENGLISH	Semester –V	35332	English Special IV	3. Understand the nature and historical development of criticism
233	B.A. ENGLISH	Semester –V	35334	English SEC 2C	1. Develop overall personality of the students.
234	B.A. ENGLISH	Semester –V	35334	English SEC 2C	2. Develop social skills.
235	B.A.(Geography)	Semester –VI	36201	Geography of India -II(S3)	1. Acquaint with geography of our nation

236	B.A.(Geography)	Semester –VI	36201	Geography of India -II(S3)	2. Understand the magnitude of problems and prospectus at national Level
237	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursi./ Village/ Project Report (S4)	1. Understand the concept Geographical data and its basic analysis for students
238	B.A.(Geography)	Semester –VI	36203	Practical Geography-II (Techniques of Spatial analysis, surveying & Excursion./ Village/ Project Report (S4)	2. Understand the concept of testing and application of hypothesis
239	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	1. Understand the history of Tourism


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240	B.A.(Geography)	Semester –VI	36205	Geography of Tourism -II (G-3)	2. Understand the basic concepts in tourism geography
241	B.A.(Geography)	Semester –VI	36206	Research Methodology -II (SEC)	1. Identify various Sources of information for data Collection
242	B.A.(Geography)	Semester –VI	36206	Research Methodology -II (SEC)	2. Understand of the Conducting survey on various issues and develop the report writing skill of student
243	B.A Economics	Semester –VI	35153	G3 Indian Economic Developm	1. Describe and explain the process of Economic Planning
244	B.A Economics	Semester –VI	35153	G3 Indian Economic Developm	2. Describe and explain the relation between Economic Development and Environment.
245	B.A Economics	Semester –VI	35151	S3 International Economics-II	1. Explain the concept of Exchange Rate and Foreign Exchange Market.
246	B.A Economics	Semester –VI	35151	S3 International Economics-I	2. Understand the trends in Growth, Composition and Direction of India's Foreign Trade.
247	B.A Economics	Semester –VI	35152	S4 Public Finance -II	1. Analyze the concept of Deficit Financing and its effects.
248	B.A Economics	Semester –VI	35152	S4 Public Finance -II	2. Understand components and instruments of Fiscal Policy


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249	B.A Economics	Semester -VI	35154	SEC Business Management-II	1. Analyze collected data and interpret it in the most logical manner
250	B.A Economics	Semester -VI	35154	SEC Business Management-II	2.comprehend and illustrate/demonstrate findings
251	B.A. Politics	Semester -VI	35163	Politics G3	1 .Understand different forms of justifications of power and the role of ideology.
252	B.A. Politics	Semester -VI	35161	Politics Special III	2. Develop administrative salience and capabilities to deal with process of change.
253	B.A. Politics	Semester -VI	35162	Politics Special IV	3. Study the Changing Nature of the National Power
254	B.A. Politics	Semester -VI	35165	Politics Special SEC	5. Understand the historical evolution of Maharashtra's politics and different analyses of politics of the state.
255	B.A. Marathi	Semester -VI	35021	Marathi Special Paper III	1. Understand the artistic value of literature.
256	B.A. Marathi	Semester -VI	35021	Marathi Special Paper III	2.Know the co-relation between Literature & Society
257	B.A. Marathi	Semester -VI	35022	Marathi Special Paper IV	1. Understand the descriptive, Historical and Comparative method, scope and difference of language.
258	B.A. Marathi	Semester -VI	35022	Marathi Special Paper IV	2. Understand system of Marathi Language.
259	B.A. Marathi	Semester -VI	35025	Marathi SEC2D (2)	
260	B.A. ENGLISH	Semester -VI	36001	Compulsory English T.Y.	1. Develop cultural experiences through literature
261	B.A. ENGLISH	Semester -VI	36001	Compulsory English T.Y.	2. Develop communicative and soft skills


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262	B.A. ENGLISH	Semester –VI	36333	Optional English G3	1. Understand detailed study of literature and language
263	B.A. ENGLISH	Semester –VI	36333	Optional English G3	3. Analyze the best samples of Indian English Poetry
264	B.A. ENGLISH	Semester –VI	36331	English Special III	1. Develop literary sensibility and sense of cultural diversity
265	B.A. ENGLISH	Semester –VI	36331	English Special III	2. Get knowledge about some of the best examples of novel
266	B.A. ENGLISH	Semester –VI	36331	English Special III	3. Develop skills to critically examine novels independently
267	B.A. ENGLISH	Semester –VI	36332	English Special IV	1. Familiarize with the significant critical approaches and terms
268	B.A. ENGLISH	Semester –VI	36332	English Special IV	2. Interpret literary works in the light of the critical approaches
269	B.A. ENGLISH	Semester –VI	36332	English Special IV	3. Develop aptitude for critical analysis
270	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	1. Understand interpersonal skills.
271	B.A. ENGLISH	Semester –VI	36334	English SEC 2D	2. Enhance leadership qualities.
272	M.Com	Semester –I	101	Management Accounting	1. Acquire sound Knowledge of concepts, methods and techniques of management accounting.


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273	M.Com	Semester –I	101	Management Accounting	2. Develop competence with their usage in managerial decision making and control
274	M.Com	Semester –I	103	Advanced Accounting I	1.Understand foundation of Accounting and Accounting Standards.
275	M.Com	Semester –I	103	Advanced Accounting I	2. Solve problems relating to Company Accounts, Valuations and special types of situations.
276	M.Com	Semester –I	103	Advanced Accounting I	3. Familiarize the procedure, Practice and Regulation of Accountancy
277	M.Com	Semester –I	104	Income Tax II	1.Understand the provisions of Income - tax including Rules Pertaining there to, relating to the following topics.
278	M.Com	Semester –I	104	Income Tax II	2. Develop ability to calculate taxable Income of 'Individual', 'Hindu Undivided Family' and 'Firm' assesses.
279	M.Com	Semester –II	201	Financial Analysis and Control	1. Acquire sound knowledge of concepts, methods and techniques of management accounting
280	M.Com	Semester –II	201	Financial Analysis and Control	2. Develop competence with their usage in Managerial decision making and control.
281	M.Com		202	Industrial Economics	1. Understand the basic concepts of Industrial Economics.
282	M.Com	Semester –II	202	Industrial Economics	2. Understand the significance and problems of Industrialization.
283	M.Com	Semester –II	202	Industrial Economics	2. Understand the impact of Industrialization on Indian Economy.
284	M.Com	Semester –II	203	Specialized Areas In Accounting III	1.Develop competency of students to solve problems relating Special areas in accounting including accounting for Services Sector.
285	M.Com	Semester –II	203	Specialized Areas In Accounting III	2. Understand of Financial Reporting Practices.
286	M.Com	Semester –II	203	Specialized Areas In	3 .Familiarize with procedure of accounting for Taxation.
				Accounting III	


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287	M.Com	Semester –II	204	Business Tax assessment and Planning IV	1.Understand of Direct Taxes including Rules Pertaining there to and their application to different business situations.
288	M.Com	Semester –II	204	Business Tax assessment and Planning IV	2. Understand principles underlying the Service Tax.
289	M.Com	Semester –II	204	Business Tax assessment and Planning IV	3.Understand basic concepts of VAT, Excise Duty and Customs Duty
290	M.Com	Semester –III	301	Business Finance	1. Develop sound knowledge of concepts, nature and structure of business finance.
291	M.Com	Semester –III	302	Research Methodology for Business	1. Understand the areas of Business Research Activities.
292	M.Com	Semester –III	302	Research Methodology for Business	2. Enhance capabilities of students to conduct the research in the field of business and social sciences.
293	M.Com	Semester –III	302	Research Methodology for Business	3. Develop the most appropriate Methodology for their research studies.
294	M.Com	Semester –III	302	Research Methodology for Business	4.Familiar with the art of using different research Methods and techniques.
295	M.Com	Semester –III	303	Advanced Auditing V	1. Develop and understand methods of auditing and their application.
296	M.Com	Semester –III	304	Specialized Areas In Auditing VI	1. Develop and Understand methods of audit in Specialized areas.
297	M.Com	Semester –IV	401	Capital Market and Financial services	1. Acquire sound knowledge, concept and structure of capital market and financial services.
298	M.Com	Semester –IV	402	Industrial Economics Environment	1.Understand the basic concepts of Industrial Finance
299	M.Com	Semester –IV	402	Industrial Economics Environment	2. Understand the effects of New Economic Policy.
300	M.Com	Semester –IV	402	Industrial Economics Environment	3. Understand the impact of Labor reforms on Industries.


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301	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	1. Get update with latest developments in the Subject
302	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	2. Inculcate the habit of referring to various periodicals and publications in the given subject, apart from text books and reference
303	M.Com	Semester –IV	403	Recent Advances In Accounting, Taxation and Auditing VII	3. Develop the ability to read, Understand, interpret and summarize various articles from newspapers, journals
304	M.Com	Semester –IV	102	Strategic Management	1: Understand strategic management in framing the policies and administration in adverse condition of the business.
305	M.Com	Semester –IV	103	Advanced accounting	1. Understand the procedure, Practice and Regulation of Accountancy
306	M.Com	Semester –IV	204	Business Tax assessment and planning	1: Understand Taxation procedure policies and regulations are important aspect in business which is core value of the subject.
307	M.Com	Semester –IV	301	Business Finance	1: Understand financial aspects of the Business.
308	M.Com	Semester –IV	202	Industrial Economics	1: Inculcate the Economical aspects related to industries
309	M.Com	Semester –IV	403	Recent Advances in Accounting, Taxation & Auditing.	1. Enable the latest advances in the field of Accounting.
310	M.Com	Semester –IV	401	Capital Market and Financial Services	1. Inculcate the knowledge of raising the capital.
311	M.Com	Semester –IV	404	Project Work	1. Develop analytical mind in the subject
312	BBA[C A]	Semester –I	CA-101	Business Communication	1. Understand the role the role of communication in personal and business world. 2. Understand system and communication and their utility 3. Build and maintain relationship facilitate decision making and promotes understanding among employee, customer, supplier.


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313	BBA[C A]	Semester –I	CA-102	Principles of Management	1. Examine how various management principles 2. Develop managerial skills among the students. 3. Understand basic concept regarding org. Business Administration.
314	BBA[C A]	Semester –I	CA-103	C Language	1. Learn Decision making, structure, Union & all basics of C programming language, 2. Explore algorithmic approaches to problem solving. 3. Develop modular programs using control structures and arrays in 'C'.
315	BBA[C A]	Semester –I	CA-104	Database Management System	1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL.
316	BBA[C A]	Semester –I	CA-105	Statistics	1. Understand role and importance of statistics in various business situations 2. Develop skills related with basic statistical technique 3. Develop right understanding regarding regression, correlation and
317	BBA[C A]	Semester –I	CA-106	Computer Laboratory Based on 103 & 104 (2 credits each)	Students will be able to : 1 Devise pseudocodes and flowchart for computational problems. 2 Write, debug and execute simple programs in 'C'. 3 Create database tables in Oracles. 4 Write and execute simple, nested queries. Guidelines
318	BBA[C A]	Semester –I	CA-107	Add-On (PPA) (30 Hours)	1. Explore algorithmic approaches to problem solving. 2. Develop modular programs using control structures and arrays . 3. Design and analysis of major classes of algorithm.
319	BBA[C A]	Semester –II	CA-201	Organization Behavior & Human Resource Management	1. Understand basic concepts of OB and HRM. 2. Aware about traditional & modern methods of procurement & development in organization. 3. Know the major trends in HRM & OB


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320	BBA[C A]	Semester –II	CA- 202	Financial Accounting	1.Develop right understanding regarding role and importance of monetary and financial transactions in business 2. Cultivate right approach towards classifications of different transactions and their implications 3. Develop proficiency preparation of basic financial as to how to write <u>basis accounting statement - Trading and P&I</u>
321	BBA[C A]	Semester –II	CA- 203	Business Mathematics	1.Understand role and importance of Mathematics in various business situations and while developing softwares. 2.Develop skills related with basic mathematical technique.
322	BBA[C A]	Semester –II	CA- 204	Relational Database	1. Understand relational database concepts and transaction management concepts in database system. 2. Write PL/SQL programs that use: procedure, function, package, cursor and trigger.
323	BBA[C A]	Semester –II	CA- 205	Web Technology HTML-JS- CSS	1.Know & understand concepts of internet programming. 2. Understand how to develop web based applications using JavaScript.
324	BBA[C A]	Semester –II	CA-206	Computer Laboratory Based on 204 & 205(2 credits each)	Students will be able to : 1.Practical and Actual working of constructing programs is done by students.
325	BBA[C A]	Semester –II	CA_207	Add-On (Advance C) (30 Hours)	1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using C.
326	BBA[C A]	Semester –III	CA-301	Digital Marketing	1. Get knowledge about using digital marketing in and as business. 2. Make SWOT analysis, SEO optimization and use of various digital marketing tools.
327	BBA[C A]	Semester –III	CA-302	Data Structure	1. Understand the concepts of ADTs 2. Learn linear data structures – lists, stacks, and queues 3. Understand sorting, searching and hashing algorithms 4. Apply Tree and Graph structures


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328	BBA[C A]	Semester -III	CA-303	Software Engineering	1. Understand System concepts. 2. Understand Software Engineering concepts. 3. Understand the applications of Software Engineering concepts and <u>Design in Software development.</u>
329	BBA[C A]	Semester -III	CA-304	PHP	1. Understand how server-side programming works on the web. 2. Using PHP built-in functions and creating custom functions 3. Understanding POST and GET in form submission. 4. How to receive and process form submission data. 5. <u>Read and process data in a MySQL database.</u>
330	BBA[C A]	Semester -III	CA-305	Big data	1. Identify, develop and apply detailed analytical, creative, problem solving skills. 2. Provide the learner with a comprehensive platform for career development, innovation and further study. 3. <u>Develop expert knowledge and analytical skills in current and developing areas of analysis statistics and machine learning</u>
331	BBA[C A]	Semester -III	CA-306	Computer Laboratory Based on 302 , 304 and 305 (2 credits each)	Students will be able to : 1. <u>Get practical and Actual working of constructing programs.</u>
332	BBA[C A]	Semester -III	307 AECC	Environment Awareness	1. Get an opportunities to acquire the knowledge, values, attitudes, commitment, and skills needed to protect and improve the environment 2. Develop conscious towards a cleaner and better <u>managed environment</u>
333	BBA[C A]	Semester -IV	CA-401	Networking	1. Gain knowledge about Computer Networks concepts. 2. Know about working of networking models, addresses, transmission medias and connectivity devices. 3. <u>Acquire information about network security and cryptography.</u>


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334	BBA[C A]	Semester -IV	CA- 402	Object Oriented Concepts Through CPP	1. Acquire an understanding of basic object-oriented concepts and the issues involved in effective class design. 2. Write programs using C++ features like operator overloading, constructor and destructor, inheritance, polymorphism and exception handling
335	BBA[C A]	Semester -IV	CA- 403	Operating System	1. Know the services provided by Operating System 2. Know the scheduling concept 3. Understand design issues related to memory management and various related algorithms. 4. Understand design issues related to File management and various related algorithms
336	BBA[C A]	Semester -IV	CA- 404	Advance PHP	1. Know & understand concepts of internet programming. 2. Understand how server-side programming works on the web. 3. Understand How to use PHP Framework (Joomla / Drupale)
337	BBA[C A]	Semester -IV	CA- 405	Project	Students will be able to : 1. Detailed knowledge about SDLC ,ERD,DFD,Feasibility study, Designing Forms, Data Base Connectivity done by students.
338	BBA[C A]	Semester -IV	CA- 406	Computer Laboratory Based on 402,404 (2 credits each)	Students will be able to : 1. Get practical and Actual working of constructing programs.
339	BBA[C A]	Semester -IV	CA- 407	ADD-On (30 Hours) JQuery	1. Learn how to enhance their web application using the JQuery script library. 2. JQuery can enhance productivity. 3. Client side data binding techniques.


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340	BBA[C A]	Semester –V	CA- 501	Cyber Security	1. Have a good understanding of Cyber Security and the Tools. 2. Identify the different types of Cyber Crimes. 3. Have a good understanding of Cyber laws 4. Develop Cyber forensics awareness. 5. Identify attacks, security policies and credit card frauds in mobile and Wireless Computing Era
341	BBA[C A]	Semester –V	CA- 502	OOSE	1. Students will be able to give Design Specifications for Project. 2. Students will acquire Knowledge in Basic Modeling. 3. Students will acquire Project Management Skills.
342	BBA[C A]	Semester –V	CA-503	Core Java	1. Solve real world problems using OOP techniques. 2. Understand the use of abstract classes. 3. Solve problems using java collection framework and I/o classes. 4. Develop multithreaded applications with synchronization. 5. Develop applets for web applications. Able to design GUI based applications
343	BBA[C A]	Semester –V	CA-504	Python	1. Define and demonstrate the use of built-in data structures “lists” and “dictionary”. 2. Design and implement a program to solve a real world problem. 3. Design and implement GUI application and how to handle exceptions and files
344	BBA[C A]	Semester –V	CA-505	Project	Students will be able to : 1. Get detailed knowledge about SDLC ERD,DFD,Feasibility study, Designing Forms, Data Base
345	BBA[C A]	Semester –V	CA-506	Computer Laboratory Based on 503	Students will be able to : Get practical and Actual working of constructing programs.
346	BBA[C A]	Semester –V	CA_507	Add on Course-IOT(30 Hours)	Students will be able 1. Explain key technologies, smart objects, IoT Architecture and security in Internet of Things. 2. Illustrate the role of IoT protocols for efficient network communication.


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347	BBA[C A]	Semester -VI	CA- 601	Recent Trends in Information Technology(Tutorial/Assignm ent)	On completion of the course, student will be able 1. Discuss the basic concepts AI. 2. Apply basic, intermediate and advanced techniques to mine the data. 3. <u>Provide an overview of the concept of Spark programming.</u>
348	BBA[C A]	Semester -VI	CA- 602	Software Testing	1. Introduced to testing tools. 2. Acquire Knowledge of Basic SQA. 3. <u>Design basic Test Cases.</u>
349	BBA[C A]	Semester -VI	CA- 603	Advanced Java	1. Know the concepts of JDBC Programming. 2. Know the concepts of Multithreading and Socket Programming. 3. Know the concepts of Spring and Hibernate. 4. Develop the project by using JSP and JDBC. 5. <u>Develop applications in Spring and hibernate.</u>
350	BBA[C A]	Semester -VI	CA- 604	Dot Net framework	1. Use the features of Dot Net Framework along with the features of VB, C# and ASP 2. Design and develop window based and web based .NET applications. 3. Design and develop a Website. 4. Design and Implement database connectivity using ADO.NET for <u>VB, C# and ASP</u>
351	BBA[C A]	Semester -VI	CA-605	Project	Students will be able to : 1. Get detailed knowledge about SDLC <u>.ERD.DFD.Feasibility study, Designing Forms, Data Base</u>
352	BBA[C A]	Semester -VI	CA-606	Computer Laboratory Based on 603 and 604(2 credits each)	Students will be able to : 1. Get practical and Actual working of constructing programs.
353	BBA[C A]	Semester -VI	CA-607	Add on Course-Soft Skills Training	1. Participate to communicate effectively and to carry themselves confidently. 2. Learn how to identify and overcome the barriers <u>in interpersonal relationships.</u>
354	B.Sc(C S)	Semester -I	CS-111	Problem solving using Computer & C Programming	Students will be able to : 1. Explore algorithmic approaches to problem solving. 2. <u>Develop modular programs using control structures and arrays in</u>


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355	B.Sc(CS)	Semester –I	CS-112	Database Management system	student will be able to– 1 Solve real world problems using appropriate set, function, and relational models. 2 Design E-R Model for given requirements and convert the same into database tables. 3 Use SQL
356	B.Sc(CS)	Semester –I	CS-113	Practical Course based on CS111 and CS112	students will be able to : 1 Devise pseudocodes and flowchart for computational problems. 2 Write, debug and execute simple programs in ‘C’. 3 Create database tables in PostgreSQL. 4 Write and execute simple, nested queries. Guidelines :
357	B.Sc(CS)	Semester –I	MTC-111	Matrix Algebra	student will be able to: 1) Understand translate a liner equation into a matix. 2) Perform certain algorithms, justify why these algorithms work, and give some estimates of the running times of these algorithms.
358	B.Sc(CS)	Semester –I	MTC-112	Discrete Mathematics	student will be able to: 1) Solve basic exercises of the type: given a graph with properties X, prove that the graph also has property Y. 2) Develop an appreciation for the literature on the subject and be able to read and present results from the literature.
359	B.Sc(CS)	Semester –I	MTC-113	Mathematics Practical based on MTC-112 AND MTC 111	student will be able to: 1) Write cohesive and comprehensive solutions to exercises and be able to defend their arguments.
360	B.Sc(CS)	Semester –I	ELC-111	Semiconductor Devices and Basic Electronic Systems	1. Study various types of semiconductor devices 2. Study elementary electronic circuits and systems
361	B.Sc(CS)	Semester –I	ELC-112	Principles of Digital Electronic	1. Get familiar with concepts of digital electronics 2. Learn number systems and their representation
362	B.Sc(CS)	Semester –I	ELC-113	Electronics Lab based on ELC-111 and ELC-112	1. Understand basic logic gates, Boolean algebra and K- maps 2. Study arithmetic circuits, combinational circuits and sequential circuits


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363	B.Sc(CS)	Semester –I	CSST-111	Descriptive Statistics	Student will be able to– 1) Tabulate and make frequency distribution of the given data. 2) Use various graphical and diagrammatic techniques and interpret.
364	B.Sc(CS)	Semester –I	CSST-112	Mathematical Statistics	Student will be able to– 1) Compute various measures of central tendency, dispersion, Skewness and kurtosis. 2) Fit the Binomial and Poisson distributions. 3) Compute the measures of attributes.
365	B.Sc(CS)	Semester –I	CSST-113	Statistics Practical based on CSST-111 and CSST-112	Student will be able to– 1) Collect data, its condensation and representation for real life data. 2) Study free statistical softwares and use them for data analysis in
366	B.Sc(CS)	Semester –II	CS-121	Advanced C-Programming	Student will be able to :- 1 Develop modular programs using control structures, pointers, arrays, strings and structures 2 Design and develop solutions to real world problems using C.
367	B.Sc(CS)	Semester –II	CS-122	RDBMS	Student will be able to– 1 Design E-R Model for given requirements and convert the same into database tables. 2 Use database techniques such as SQL & PL/SQL. 3 Explain transaction Management in relational database System. 4 Use advanced database Programming concepts
368	B.Sc(CS)	Semester –II	CS-123	Computer Science Lab Course based on 121 and 122	Students will be able to : 1 Write, debug and execute programs using advanced features in 'C'. 2 Use SQL & PL/SQL. 3 Perform advanced database operations


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369	B.Sc(CS)	Semester –II	MTC- 121	Linear Algebra	<p>A student will be able to:</p> <ol style="list-style-type: none"> 1. Solve systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion. 2. Carry out matrix operations, including inverses and determinants. 3. Demonstrate understanding of the concepts of vector space and subspace. 4. Demonstrate understanding of linear independence, span, and basis.
370	B.Sc(CS)	Semester –II	MTC- 122	Graph Theory	<ol style="list-style-type: none"> 1. Understand graphs, their properties and their applications as models of networks. 2. Represent almost any physical situation involving discrete objects and a relationship among them. 3. Generate functions and their applications
371	B.Sc(CS)	Semester –II	MTC- 123	Lab Course based on MTC- 121 and MTC 122	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Aware of history of mathematics and hence of its past, present and future role as part of our culture. 2. Gain confidence in proving theorems and solving problems. 3. Understand mathematical formulae or techniques in order to process the information and draw the relevant conclusion
372	B.Sc(CS)	Semester –II	ELC- 121	Instrumentation Systems	<ol style="list-style-type: none"> 1. Study Instrumentation System 2. Study various blocks of Instrumentation System 3. Study Smart Instrumentation System
373	B.Sc(CS)	Semester –II	ELC- 122	Basics of Computer Organization	<ol style="list-style-type: none"> 1. Get familiar digital sequential circuits 2. Study Basic computer Organization 3. Study Memory architecture


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374	B.Sc(CS)	Semester –II	ELC-123	Lab Course based on ELC-121 and ELC-122	1. Study Instrumentation System 2. Study various blocks of Instrumentation System 3. Study Smart Instrumentation System 4. Get familiar digital sequential circuits 5. Study Basic computer Organization 6. Study Memory architecture
375	B.Sc(CS)	Semester –II	CSST-121	Methods of Applied Statistics	Student will be able to :- 1 Understand various regression models and to find best fit. 2 Understand the Normal distribution.
376	B.Sc(CS)	Semester –II	CSST-122	Continuous Probability Dist. & Testing of hypothesis	Students will be able to 1) Understand the relationship between two variables using scatter plot. 2) Compute coefficient of correlation, coefficient of regression. 3) Understand the trend in time series and how to remove it.
377	B.Sc(CS)	Semester –II	CSST-123	Lab Course based on CSST- 121 and CSST-122	Student will be able to :- 1. Generate model sample from given distributions. 2. Understand the importance and functions of different statistical organizations in the development of nation.
378	B.Sc(CS)	Semester –III	CS-231	Data structures and Algorithms	1. Use well-organized data structures in solving various problems. 2. Differentiate the usage of various structures in problem solution. 3. Implement algorithms to solve problems using appropriate data
379	B.Sc(CS)	Semester –III	CS-232	software Engineering	1. Compare and chose a process model for a software project development. 2. Identify requirements analyze and prepare models. 3. Prepare the SRS, Design document, Project plan of a given software system


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380	B.Sc(CS)	Semester -III	CS-233	Practical Course based on CS 232 and CS 233	The students will be able to: 1. Understand practical and Actual working of constructing data structure programs. 2. Work independently throughout the project work including: problem identification, information searching, literature study, design and analysis, and the final reporting
381	B.Sc(CS)	Semester -III	MTC-231	Groups & Coding Theory	1. Study of algorithms, theoretical as well as for concrete calculations, for computing with groups.
382	B.Sc(CS)	Semester -III	MTC-232	Numerical Techniques	1. Get a relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
383	B.Sc(CS)	Semester -III	MTC-233	Mathematics Practical : Python Programming Language	1. Expose to global and local concerns that explore them many aspects of Mathematical Sciences.
384	B.Sc(CS)	Semester -III	ELC-231	Micro Controller Architecture & Programming	The student will be able to: 1. Write programs for 8051 microcontroller 2. Interface I/O peripherals to 8051 microcontroller 3. Design small microcontroller based projects
385	B.Sc(CS)	Semester -III	ELC-232	Digital Communication & Networking	The student will be able to: 1. Define and explain terminologies of data communication 2. Understand the impact and limitations of various digital modulation techniques 3. Understand the need of spread spectrum schemes. 4. Identify functions of data link layer and network layer while accessing communication link 5. Choose appropriate and advanced techniques to build the computer network


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386	B.Sc(CS)	Semester -III	ELC-233	Electronics Lab Practical Course (ELC-233)	The student will be able to: 1. Design and build his/her own microcontroller based projects. 2. Acquire skills of Embedded C programming 3. Know multiplexing and modulation techniques useful in developing wireless application 4. Build and test own network and do settings
387	B.Sc(CS)	Semester -III	AECC-I	Environment Awareness-I	The students will be able to: 1.Master core concepts and methods from economic, political, and social analysis as they pertain to the design and evaluation of environmental policies and institutions. 2.Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems. 3.Understand the transnational character of environmental problems and ways of addressing them, including interactions across local to global scales. 4.Apply systems concepts and methodologies to analyze and understand interaction between social
388	B.Sc(CS)	Semester -III	AECC-II	Language Communication-I	The students will be able to: 1. Understand correct usage of English grammar in writing and speaking. 2. Improve their speaking ability in English both in terms of fluency and comprehensibility. 3 Give oral presentations and receive feedback on their performance
389	B.Sc(C S)	Semester -IV	CS- 241	Data Structures & Algorithms I	The students will be able to: 1. Implement different data structures efficiently 2. Use well-organized data structures to handle large amount of data 3. Use appropriate data structures for problem solving


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390	B.Sc(CS)	Semester -IV	CS-242	Computer Network-I	The students will be able to: 1. Understand of the OSI and TCP/IP Reference Models and in particular have a good knowledge of Layers. 2. Understand the working of various protocols. 3. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies
	B.Sc(CS)	Semester -IV	CS-243	Practical Course based on CS 241 and CS 242	The students will be able to: 1. Get practical and Actual working of constructing data structure programs
391	B.Sc(CS)	Semester -IV	ELC-241	Embedded System Design	On completion of the course, student will be able to 1. Understand the difference between general computing and the Embedded systems. 2. Know the fundamentals of embedded systems. 3. Understand the use of Single board Computer (Such as Raspberry Pi) for an embedded system application. 4. Familiar with the programming environment to develop embedded systems and their interfaces with peripheral devices. 5. Develop familiarity with tools used to develop in an embedded
392	B.Sc(CS)	Semester -IV	ELC-242	Wireless Comm. & Internet of Things	The students will be able to 1. Know working of wireless technologies such as Mobile communication, GSM, GPRS 2. Become familiar with 3G and 4G Cellular Network Technologies for Data Connections. 3. Understand working principles of short range communication application 4. Get introduce to upcoming technology of Internet of Things


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	B.Sc(CS)	Semester -IV	ELC-243	Practical Course based on and ELC-241 AND ELC- 242	The students will be able to 1. Design and develop own smart applications using Rasberry-Pi 2. Write Python program for simple applications 3. <u>Build own IoT based system</u>
	B.Sc(CS)	Semester -IV	MTC-241	Computational Geometry	The students will be able to: 1. Apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the <u>information and draw</u>
393	B.Sc(CS)	Semester -IV	MTC-242	Operation Research	The students will be able to: 1. Aware of history of mathematics <u>and hence of its past, present and future role as part of our culture.</u>
394	B.Sc(CS)	Semester -IV	MTC-243	Practical Course based on MTC- 241 and MTC-242	The students will be able to: 1. Apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the <u>information and draw</u>
395	B.Sc(CS)	Semester -IV	AECC-I	Environmental Awareness-II	The students will be able to: 1. Develop critical-thinking skills, analyze real-world problems, and understand the power of narrative to create sustainable <u>solutions for local and global communities.</u>
396	B.Sc(CS)	Semester -IV	AECC-II	Language Communication –II	The students will be able to: 1. Improve their reading fluency skills through extensive reading 2. Enlarge their vocabulary by keeping a vocabulary journal 3. Write academic papers, essays and summaries using the <u>process approach.</u>


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397	B.Sc(CS)	Semester –V	CS-351	Operating Systems – I	The students will be able to: 1. Processes and Thread Scheduling by operating system 2. Synchronization in process and threads by operating system 3. Memory management by operating system using with the help of various schemes
398	B.Sc(CS)	Semester –V	CS-352	Computer Networks – II	The students will be able to: 1.Understand the different protocols of Application layer. 2.Develop technical aspect of Multimedia Systems 3. Develop various Multimedia Systems applicable in real time. 4.Identify information security goals. 5. Understand, compare and apply cryptographic techniques for data security
399	B.Sc(CS)	Semester –V	CS-357	Practical course based on CS 35	The students will be able to: 1. Understand the concept of process scheduling with the help of simulation. 2. Study the concept demand paging concepts in operating system.
400	B.Sc(CS)	Semester –V	CS-353	Web Technologies – I	The students will be able to: 1.Design dynamic and interactive Web pages. 2.Learn Core-PHP, Server Side Scripting Language 3.Learn PHP-Database handling
401	B.Sc(CS)	Semester –V	CS-354	Foundations of Data Science	The students will be able to: 1. Perform Exploratory Data Analysis 2. Obtain, clean/process, and transform data. 3. Detect and diagnose common data issues, such as missing values, special values, outliers, inconsistencies, and localization. 4. Demonstrate proficiency with statistical analysis of data. 5. Present results using data visualization techniques. 6. Prepare data for use with a variety of statistical methods and models and recognize how the quality of the data and the means of data collection may affect conclusions.


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402	B.Sc(CS)	Semester –V	CS-358	Practical course based on CS 353 and CS 354	The students will be able to: 1.Design dynamic and interactive Web pages. 2.Learn Core-PHP, Server Side Scripting Language 3.Learn PHP-Database handling 4.Apply statistical, data preprocessing and visualization techniques on data sets
403	B.Sc(CS)	Semester –V	CS-355	Object Oriented Programming using Java-I	The students will be able to: 1.Learn Object Oriented Programming language 2. Study various java programming concept like Interface, File and Exception Handling etc. 3.Design User Interface using Swing and AWT
404	B.Sc(CS)	Semester –V	CS-356	Theoretical Computer Science	The students will be able to: 1.Understand the use of automata during language design. 2.Relate various automata and Languages.
405	B.Sc(CS)	Semester –V	CS-359	Practical Course based on CS 3	The students will be able to: 1. Use an integrated development environment to write, compile, run, and test simple object-oriented Java programs. 2. Read and make elementary modifications to Java programs that solve real-world problems. 3. Validate input in a Java program
406	B.Sc(CS)	Semester –V	CS-3510	Python Programming	The students will be able to: 1. Introduce programming concepts using python 2. Develop Programming logic using python 3. Develop basic concepts and terminology of python programming 4. Test and execute python programs


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407	B.Sc(CS)	Semester –V	CS-3511	Blockchain Technology	The students will be able to: 1. Understand what and why of blockchain technology. 2. Explore major components of blockchain. 3. Learn about Bitcoin, Cryptocurrency and Ethereum. 4. Learn blockchain programming using Python, Flask Web Framework, and HTTP client Postman
408	B.Sc(C S)	Semester –VI	CS- 361	Operating Systems – II	The students will be able to: 1. Understand the issue of Deadlocks in Process management. 2. Understand the concept of File system management & disk scheduling 3. Study the concept of distributed and mobile operating
409	B.Sc(CS)	Semester –VI	CS-362	Software Testing	The students will be able to: 1. Understand various software testing methods and strategies. 2. Understand a variety of software metrics, and identify defects and managing those defects for improvement in quality for given software 3. Design test cases and test plans, review reports of testing for qualitative Software
410	B.Sc(CS)	Semester –VI	CS-367	Practical course based on CS 36	The students will be able to: 1. Understand Management of deadlocks by operating system, File System management, Disk space management and scheduling for processes
411	B.Sc(CS)	Semester –VI	CS-363	Web Technologies – II	The students will be able to: 1. Learn different technologies used at client Side Scripting Language and XML and XML parsers. 2. PHP framework for effective design of web pages. 3. Learn Java Script to program the behavior of web pages. 4. Learn AJAX to make our application more dynamic


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412	B.Sc(CS)	Semester -VI	CS-364	Data Analytics	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Use appropriate models of analysis, assess the quality of input, and derive insight from results. 2. Analyze data, choose relevant models and algorithms for respective applications 3. Understand different data mining techniques like classification, prediction, clustering and association rule mining 4. Apply modeling and data analysis techniques to the solution of real world business
413	B.Sc(CS)	Semester -VI	CS-368	Practical course based on CS 36	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Build dynamic website. 2. Use MVC based framework easy to design and handling the errors in <u>dynamic website</u>.
414	B.Sc(CS)	Semester -VI	CS-365	Object Oriented Programming	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Learn database programming using Java 2. Study web development concept using Servlet and JSP 3. Develop a <u>game application using multithreading</u> 4. <u>Learn socket programming</u>
415	B.Sc(CS)	Semester -VI	CS-366	Compiler Construction	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the process of scanning and parsing of source code. 2. Learn the conversion code written in source language to <u>machine language</u>. 3. <u>Understand tools like LEX and YACC</u>
416	B.Sc(CS)	Semester -VI	CS-369	Practical Course based on CS 3	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Learn database Programming using Java 2. Understand and create dynamic web pages using Servlets and JSP. 3. Work with basics of framework to develop secure web <u>applications</u>


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417	B.Sc(CS)	Semester -VI	CS- 3610	Software Testing Tools	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Understand various software testing methods and strategies. 2. Understand a variety of software metrics and identify defects and managing those defects for improvement in quality for given software. 3. Design test cases and test plans, review reports of testing for qualitative software. 4. Understand latest testing tools used in the software industries.
418	B.Sc(CS)	Semester -VI	CS- 3611	Project	<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Work independently throughout the project work including: problem identification, information searching, literature study, design and analysis.
	B. Sc.		MB- 351	Medical Microbiology- I	<p>The students will be able to:</p> <p>Learn about different bacterial pathogens, epidemiology, and diseases of human body systems.</p>
	B. Sc.		MB- 352	Immunology – I	<p>The students will be able to:</p> <p>Learn all the basic concepts about immunity, blood cell formation, and different organs in immunity. They gain knowledge of 3 lines of body's defence. They thoroughly understand about Antigens and Antibodies; They gain knowledge about Cell Mediated Immune Response</p>
421	B. Sc.		MB-353	Enzymology	<p>The students will be able to:</p> <p>Understand about enzymes, enzyme assays, they gain knowledge about methods of purification of enzymes, Students studies about enzyme kinetics and calculate Vmax, Km, Kcat values, They are able to tell different methods of enzyme immobilization</p>


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422	B.SC		MB- 354	Genetics	The students will be able to: Get knowledge of Gene Linkage and crossing over, DNA Replication, Prokaryotic and Eukaryotic Transcription and Translation, Techniques used in recombinant DNA technology.
423	B.SC		MB- 355	Fermentation Technology – I	The students will be able to: Learn about objectives and applications of industrial fermentation process, They learn basic steps like Media optimization, Sterilization, Scale-up and Scale-down. Students learn about economics of fermentation. test of OA and OC.
424	B.SC		MB-356	Agriculture Microbiology	The students will be able to: Learn about objectives and applications of Agriculture microbiology. They learn about role of soil micro-organisms in agriculture. Students gain knowledge of Agriculture Technology
425	B.SC		MB- 3511	Dairy Microbiology	The students will be able to: learn about dairy developments in India. Understand milk chemistry and microbiology, learn about spoilage of milk and milk preservation methods, milk born infections. Student come to know about techniques of Pasteurization and milk analysis
	B.SC		MB-3510	Marine microbiology	Get awareness of unseen and unexplored niche of marine ecosystem of microbes. Acquire advances in the knowledge of marine microbes and marine ecology. Learn the field research on marine processes and laboratory research on microorganisms. To comprehend the role of marine microbes in bioremediation and bioprospecting. Avail career opportunities in marine education, industry and research


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427	BS.C		MB- 357	Practical course – I Based on MB- 351 MB- 352	The students will be able to: 1. Isolate and identify pathogens from clinical samples. 2. Perform hematology and hemogram analysis. Perform epidemiological surveys.
428	BS.C		MB- 358	Practical course – II Based on MB-353 MB-354	The students will be able to: 1. Learn clinical biochemistry experiments. 2. Analyze proteins and carbohydrates qualitatively 3. Make buffers, study enzyme kinetics and calculate Vmax, Km, Kcat values. 4. Make buffers, isolate genomic DNA, Plasmid DNA, could perform gelelectrophoresis.
429	BS.C		MB- 359	Practical course - III Based on MB- 355 MB- 356	The students will be able to: 1. Perform biochemical assays for vitamin and antibiotic, 2. Cultivate lactic acid bacteria, Bio- inoculants, Pesticide degrader. 3. Learn different milk test. 4. Synthesize nanoparticles.
430	B.SC		MB- 361	Medical Microbiology – II	The students will be able to: learn about chemotherapy, antibiotic resistance, and viral, fungal and protozoan pathogens.
431	B.SC		MB- 362	Immunology-II	The students will be able to: learn about Humoral immune response ,Cell mediated
					immune response ,Hypersensitivity ,Autoimmunity , Autoimmune disease, Immunodeficiency
432	B.SC		MB- 363	Metabolism	The students will be able to: Learn about Membrane transport mechanisms, Bioenergetics and laws of thermodynamics, understand Biosynthesis and Degradation of macromolecules. Understand photosynthesis process in bacteria.


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433	B.SC		MB- 364	Molecular Biology	The students will be able to: Get knowledge of methods of gene transfer by transformation, transduction and conjugation. Understand how to generate rDNA molecule, They can learn about important tools <u>used in rDNA technology</u>
434	B.SC		MB- 365	Fermentation Technology - II	The students will be able to: Learn about commercial scale productions of various products like: Primary Metabolites, Secondary metabolites, Enzymes, Biomass based products, Vaccines, Immune sera, Student can able to distinguish <u>between Solid</u>
435	B.SC		MB- 366	Food Microbiology	The students will be able to: Describe food safety problems and solutions in India and global scale. Identify and classify types of microorganisms in food processing and compare their Characteristics and behavior to learn food classification based on their perishability, intrinsic and extrinsic factors affecting the growth of microbes in foods, role of microorganisms in <u>food fermentation</u>
436	B.SC		MB-3610	Waste management	The students will be able to: Understand waste management and it practicable applicability. Assess the magnitude and influence of hazardous content of <u>waste, pollution of waters and waste water treatment technologies.</u>
					Learn the design and working of treatment plants and methods used for liquid and solid waste treatment.


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	B.SC		MB-3611	Nano-biotechnology	The students will be able to: Understand design, development and application of Nanomaterials and their application in, nano devices.To learn fundamentals of nanotechnology as to Synthesis and characterization techniques of nanoparticles. Acquire knowledge of applications of nano-materials in different disciplines of human life. Compare the merits of using nanotechnology with existing technologies
438	B.SC		MB-367	Practical course I Based on Diagnostic Microbiology and Immunology	The students will be able to: Study about microbial pathogens by using permanent slides. Isolation of yeast/Fungal pathogen,Antibiotic sensitivity testing of the bacterial pathogens :The qualitative diagnosis of Plasmodium spps ., Demonstrations of: Serum protein separation by electrophoresis , ELISA (Antigen/ Antibody detection) Egg inoculation technique
439	B.SC		MB 368	Practical Course – II Based on Metabolism and Molecular Biology	The students will be able to: Obtain knowledge about clinical biochemistry experiments along with enzyme production, purification quantification, immobilization Bacteriophage .
440	B.SC		MB 369	Practical Course-III Based on Fermentation Technology- II and Food Microbiology	The students will be able to: Know about fermentation at laboratory level. Solid state fermentation , Probiotic micro flora , Aflatoxin , TDP and TDT value , Determination of TDR and D Value HACCP guidelines for food industry
441	M.Sc	Semester –I	MB 501	Microbial systematics	The students will be able to: Get idea about microbial classification.
442	M.Sc	Semester –I	Mb 502	Quantitative biology	The students will be able to: Get knowledge about quantitative analysis of the survey. report and the data collected, comparative account of the data.


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443	M.Sc	Semester –I	MB 503	Biochemistry and Metabolism	The students will be able to: Understand Metabolism of proteins , lipids and carbohydrates. Catabolism and anabolism of all the three biomolecules
444	M.Sc	Semester –I	MBTE 11	Fungal systematics and Extr	The students will be able to: Get Knowledge about fungal classification. As well as idea about the extreme conditions like temp , pH ,moisture where the microorganisms can grow.
445	M.Sc	Semester –I	MBPE11	Practical based on Fungal sy	The students will be able to: Understand Specific media for the growth of Fungi, and extremophiles. Focussing the keys of the isolation and identification of fungi and extremophiles
446	M.Sc	Semester –I	MBCP 1	Biochemical techniques (Practical based on Complusory theory credits)	The students will be able to: Do practical based on Buffer preparation, Role of buffer in media preparation, Different techniques like U.V. Spectrophotometry, electrophoresis, chromatographetc.
447	M.Sc	Semester –II	MB 601	Instrumentation and biophys	The students will be able to: Understand principle and techniques like different types of chromatography, Electrophoresis, HPLC,Colorimetry ,U. V. Spectrometry etc.
448	M.Sc	Semester –II	Mb 602	Molecular Biology	The students will be able to: Understand methods of transcription and translations in prokaryotes and eukaryotes etc. Cell division and cell cycle controlby CDK Cyclins etc'


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449	M.Sc	Semester –II	MB 603	Enzymology ,Bioenergetics and Metabolism	The students will be able to: Understand Thermodynamics, Enzymes classification, Isolation and purification methods along with that specific activity, enzyme activity calculations. Study of intermittent metabolic products produced during metabolism
450	M.Sc	Semester –II	MBTE 23	Nitrogen metabolism , respiration and photosynthesis	The students will be able to: Study in detail about Nitrogen cycle, isolation and identification of Nitrogen fixing and nitrogen nonfixing bacteria. Along with that photosynthesis mechanism in different types of plants, C3 and C4 pathways, CAM pathways etc
451	M.Sc	Semester –II	MBPE23	Practical based on Nitrogen metabolism , respiration and photosynthesis	The students will be able to: Do preparation of selective media for the isolation and identification of symbiotic and nonsymbiotic bacteria . their confirmation. cell division steps etc.
452	M.Sc	Semester –II	MBCP 2	Molecular biology, Enzymology and instrumentation techniques (Practical based on Complusory theory credits)	The students will be able to: Do practicals related to plasmid DNA extraction, Genomic DNA extraction, Transformation, Plasmid curing , Restriction endonuclease. Calculate enzyme activity and specific activity of an enzyme, their purification methods.
453	M.Sc	Semester –III	MB 701	Immunology	The students will be able to: Get knowledge about Immune system mechanism, how the immune system acts against tumor and cancer cell,what are biological response modifiers.etc


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454	M.Sc	Semester –III	Mb 702	Molecular Biology	The students will be able to: Understand Genetics behind cancer and Tumours . Various test to check the gene sequences, hereditary transferring diseases etc. , Chromosomal aberrations.
455	M.Sc	Semester –III	MB 703	Clinical Microbiology	The students will be able to: Know Different types of diseases caused by bacteria, fungi, viruses, their habitat, multiplication rate , symptoms, Laboratory diagnosis, antibiotic sensitivity testing and prophylaxis etc.
456	M.Sc	Semester –III	MBTE 31	Cell culture techniques	The students will be able to: Understand what are cell line , continues cell lines, cell cultures specificities of different cell lines meaning of Established cell line, suspension culture. And their use for identification of specific cancer.
457	M.Sc	Semester –III	MBPE 31	Practical based on cell culture technique	The students will be able to: Know specific media for the preparation cell line and cell culture, role of each and every content in the medium
458	M.Sc	Semester –III	MBCP 3	(Practical based on Compulsory theory credits)	Identify isolation of various pathogenic organism. Precipitation and agglutination. Qualitative and quantitative analysis of Antigen and Antibody etc.
459	M.Sc	Semester –IV	MB 801	Pharmaceutical Microbiology	The students will be able to: Understand What are anti-infective their mode of action, method to check susceptibility and resistance. Meaning of MIC , MBC . NCCS Norms in pharmacy, CLSI guidelines etc..
460	M.Sc	Semester –IV	Mb 802	Microbiology technology	The students will be able to: Use different methods in fermentation industry- Batch fermentation, Continuous fermentation. Fed batch fermentation. Important parts used in fermenter.


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461	M.Sc	Semester –IV	MBTE 41	Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	The students will be able to: Understand the role of quality department in pharmaceutical industry , Meaning of calibration and Validation of specific instrument. What is Standard Operating System
462	M.Sc	Semester –IV	MBPE41	Practical based on Quality assurance and validation in pharmaceutical industry and Development of Anti-infectives.	The students will be able to: Use S.O.P. methods of various instruments like incubator , Hot air oven ,Auto clave. Calculate MIC and MBC value of specific anti-infective. Antibiotic susceptibility testing. Reasons For antibiotic resist stance.
463	M.Sc	Semester –IV	MBTE 42	Advances in Microbial techn	The students will be able to: Do testing of MIC and MBC , use different methods to check antibiotic resistance, Buffer preparation, Media preparation, preparation of dilution scheme according to CLSI guidelines etc.
464	M.Sc	Semester –IV	MBCP 4	Dissertation	The students will be able to: Do research project ,get the knowledge about proper research paper ,related topic, apply statistical analysis by ANNOVA or T test. prepare final thesis etc.


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